

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

DIVISION OF WATER RESOURCES

JASON KING, P.E.  
STATE ENGINEER



INDIAN SPRINGS VALLEY (HYDROGRAPHIC BASIN 10-161)

GROUNDWATER PUMPAGE INVENTORY

WATER YEAR 2013

Field Investigated by: John Guillory, P.E.

Report Prepared by: John Guillory, P.E.

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## ABSTRACT

This inventory represents the status and pumpage of all permitted, certificated and claims of vested right groundwater rights located within Indian Springs Valley, Hydrographic Basin 10-161, for water year 2013 (October 1, 2012 through September 30, 2013). Also included is data associated with depth to groundwater.

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

For water year 2013 the permitted, certificated and claims of vested right groundwater rights totaled **1,391 acre-feet**. Estimated pumpage for the water year was **673 acre-feet**. Municipal and quasi-municipal is the largest manner of use within the basin. For water year 2013, appropriations for municipal and quasi-municipal totaled 1,258 acre-feet and pumpage was 504 acre-feet. The next largest manner of use was irrigation with appropriations totaling 124 acre-feet and pumpage was 89 acre-feet for water year 2013. The next largest manner of use was pumping by exempt domestic wells, at 75 acre-feet. Exempt domestic wells are defined by Nevada Revised Statutes 534.013 and do not require a permit issued by the State Engineer.

## HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER..... 161, REGION 10

HYDROGRAPHIC BASIN NAME ..... INDIAN SPRINGS VALLEY

COUNTIES..... CLARK, LINCOLN, NYE

COMMUNITIES ..... INDIAN SPRINGS

DESIGNATED ..... YES

DENIALS BASED UPON WATER AVAILABILITY ..... IRRIGATION

GROUNDWATER LEVEL MEASUREMENTS ..... USGS

ESTIMATED PUMPAGE INVENTORY, ACRE-FEET IN 2013 ..... 673\*

STATE ENGINEER'S ORDERS  
[728](#) - DESIGNATION ..... AUGUST 1, 1979

COMMITTED GROUNDWATER RESOURCE: 1,391 ACRE-FEET.... DATE: JUNE 2013

MUNICIPAL .....798      QUASI-MUNICIPAL...460      IRRIGATION..... 124

COMMERCIAL .....8      DOMESTIC..... 1

NOTE: Committed groundwater resource data are accurate for June 2013. Manner of use category totals vary over time, as water rights (rights) are not necessarily static. Rights may be subject to change applications, certification, withdrawals, forfeiture and cancellations; each of these circumstances could impact the duty, diversion rate and acreage associated with a given right.

\*Includes pumpage by exempt domestic wells, as defined by NRS 534.013. The domestic use estimate is based upon a count of the total domestic wells in the basin multiplied by 1 acre-foot per annum. The number of domestic wells in the basin was estimated by a query of the [Nevada Division of Water Resources' Well Log Database](#) and is estimated to be 75.

## **PURPOSE AND SCOPE**

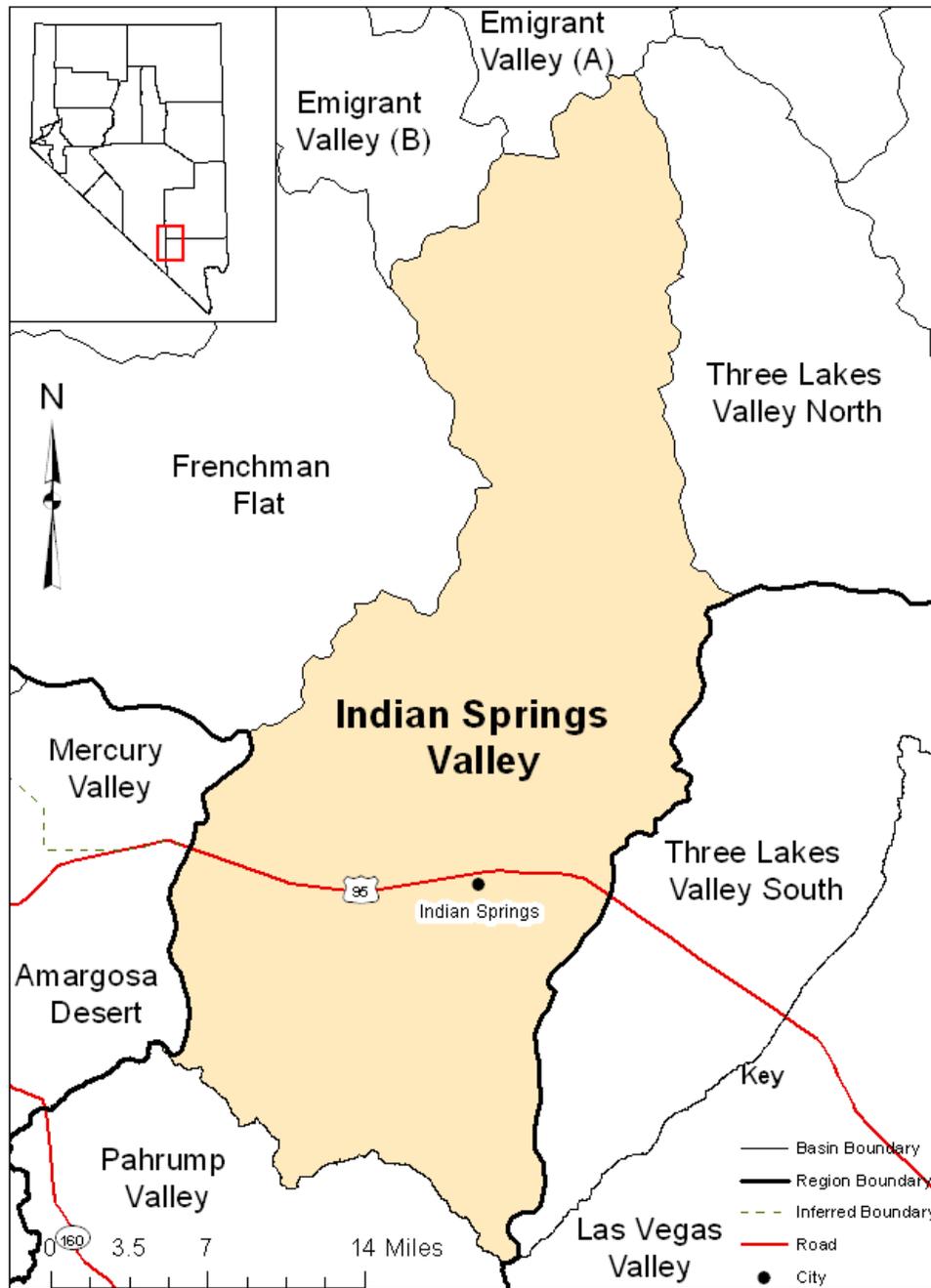
The purpose of this report is to inventory all of the groundwater resources allocated and described by the Office of the State Engineer, Nevada Division of Water Resources, and to estimate the amount of groundwater pumped within the Indian Springs Valley Hydrographic Basin 10-161, for the water year beginning October 1, 2012 and ending September 30, 2013 (hereafter referred to as water year 2013). This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, claims of vested right, and the amount pumped by exempt domestic wells within the basin. Associated information, such as groundwater level measurements, is also presented.

## **DESCRIPTION OF THE STUDY AREA**

Indian Springs Valley is a basin located in southern Nevada. The valley is approximately 49 miles northwest of Las Vegas, Nevada, and is within the Colorado River Hydrographic Region. The basin is located within Clark, Lincoln and Nye Counties (see Figure 1).

Indian Springs Valley is bounded on the east and north by the Pintwater Mountain Range. The Spring Mountain Range forms the south boundary. The Spotted Mountain Range borders the basin to the west and north. The adjacent Nevada hydrographic basins are as follows: Pahrump Valley, 10-162, to the southwest; Amargosa Desert, 14-230, to the west; Mercury Valley, 14-225, to the west; Frenchman Flat, 10-160, to the northwest; Emigrant Valley (Papoose Lake Valley), 10-158B, to the north; Emigrant Valley (Groom Lake Valley), 10-158A, to the north; Three Lakes Valley (Northern Part), 10-168, to the northeast; Three Lakes Valley (Southern Part), 13-211, to the east. The exterior boundary of the Indian Springs Valley Hydrographic Basin is as described by Designation Order 728, issued by the Nevada State Engineer August 1, 1979. The basin covers approximately 655 square miles, and the approximate elevation of the valley floor is 3,200 feet.

**FIGURE 1 LOCATION MAP OF INDIAN SPRINGS VALLEY HYDROGRAPHIC BASIN 10-161**



**GROUNDWATER LEVELS**

Depths to groundwater in Indian Springs Valley were measured by the Nevada Division of Water Resources briefly from 1947 until 1953. There are four (4) inactive sites in the monitoring well network. Groundwater level data are also collected by the USGS (data may be accessed through the USGS website <http://nevada.usgs.gov/>).

## METHODS TO ESTIMATE PUMPAGE

This report estimates the amount of groundwater pumped under the permits and certificates issued by the Nevada State Engineer as well as claims of vested right and exempt domestic wells in the Indian Springs Valley Hydrographic Basin. The following methods were used to arrive at the estimated use:

- Where totalizing meters are 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 meters were not in place, use was irrigation, and the number of hours the well was operated was unknown an inspection of the place of use was done to estimate the amount of acreage under cultivation. The number of acres under cultivation was then multiplied by a duty of 5 acre-feet per acre to estimate the use.
- 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.
- If no water was used under the certificate, permit or claim, zero pumpage was recorded.
- 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 and are limited to a maximum of 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 is determined by a query of the Nevada Division of Water Resources' Well Log Database. The amount of water pumped by exempt domestic wells is estimated to be 1.0 acre-foot per well in Indian Springs Valley. Actual domestic well pumpage is not precisely known.

## **PUMPAGE BY MANNER OF USE**

Note that all data herein are estimates and are subject to revision. The total estimated groundwater pumpage for water year 2013 was **673 acre-feet**. The annual duties of the certificates, permits and claims of vested right within the Indian Springs Valley Hydrographic Basin totaled **1,391 acre-feet**. The appropriated and actual pumped totals, categorized by manner of use, are as follows:

### **A. Municipal (MUN)**

During water year 2013, appropriations for municipal purposes totaled 798 acre-feet in the basin. An estimated 292 acre-feet of groundwater was pumped during water year 2013.

### **B. Quasi-Municipal (QM)**

During water year 2013, appropriations for quasi-municipal purposes totaled 460 acre-feet in the basin. An estimated 212 acre-feet of groundwater was pumped during water year 2013.

### **C. Irrigation (IRR)**

During water year 2013, appropriations for irrigation purposes totaled 124 acre-feet in the basin. An estimated 89 acre-feet of groundwater was pumped during water year 2013.

### **D. Commercial (COM)**

During water year 2013, appropriations for commercial purposes totaled 8 acre-feet in the basin. An estimated 4 acre-feet of groundwater was pumped during water year 2013.

### **E. Domestic (DOM)**

During water year 2013, appropriations for domestic purposes totaled 1 acre-foot in the basin. An estimated 1 acre-foot of groundwater was pumped under this appropriation during water year 2013. However, records of the State Engineer indicate approximately 75 domestic wells existed in the basin during water year 2013. The amount of water pumped for domestic use as described under NRS 534.013 is estimated at 75 acre-feet.

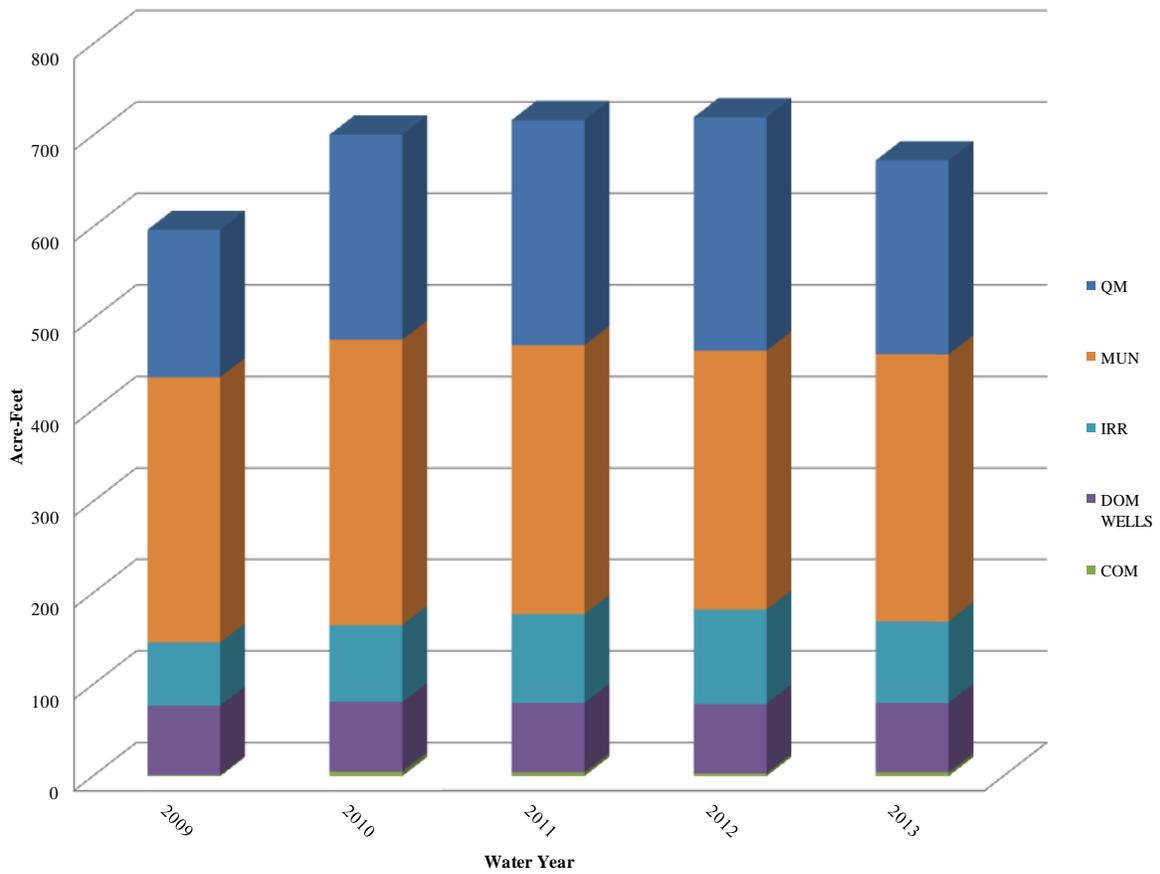
**APPENDIX A**

**INDIAN SPRINGS VALLEY HISTORICAL PUMPAGE**

## HISTORICAL PUMPAGE BY MANNER OF USE

YEAR	COM	DOM	IRR	MUN	QM	TOTAL
2009	1	76	69	290	161	597
2010	5	76	84	312	224	701
2011	4	76	97	294	246	717
2012	3	76	103	283	255	720
2013	4	76	89	292	212	673

All values are in acre-feet.

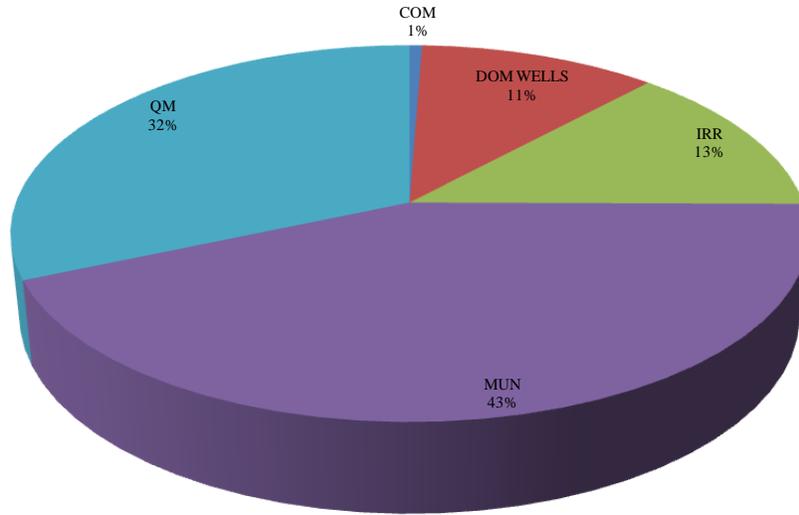


**APPENDIX B**

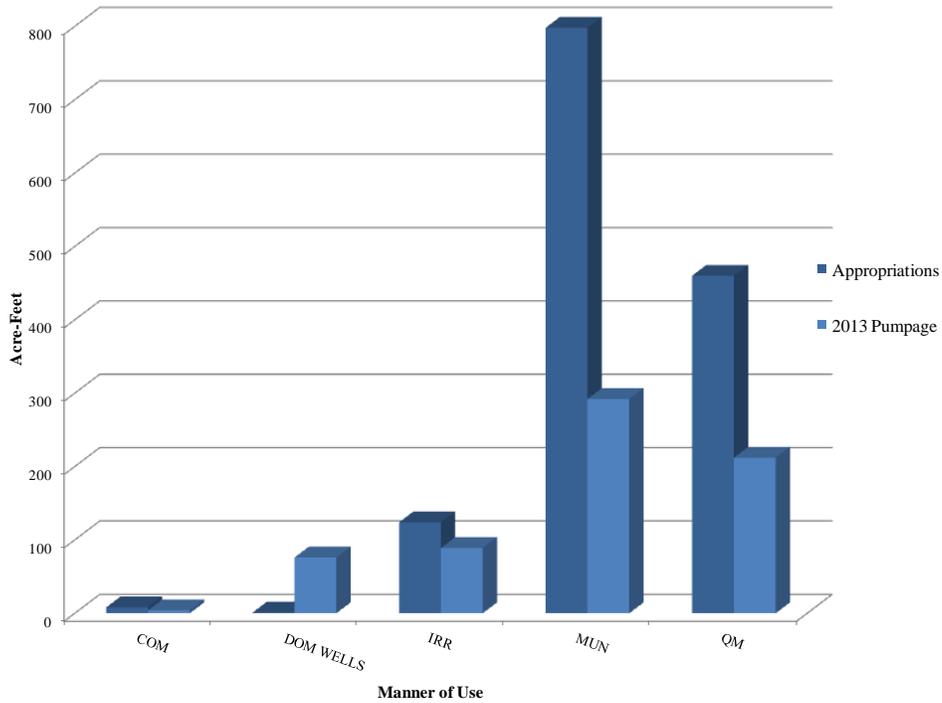
**INDIAN SPRINGS VALLEY GROUNDWATER PUMPAGE FOR WATER YEAR 2013  
BY MANNER OF USE**

**PERCENTAGE OF GROUNDWATER PUMPAGE FOR WATER YEAR 2013 BY MANNER OF USE**

**2013**



**GROUNDWATER PUMPAGE FOR WATER YEAR 2013 APPROPRIATIONS vs. ACTUAL PUMPAGE**



**APPENDIX C**

**INDIAN SPRINGS VALLEY GROUNDWATER PUMPAGE INVENTORY FOR  
WATER YEAR 2013**

## 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), a Permit (Permit), or a Certificate (Cert).																
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.																
<b>PLACE OF USE</b>																	
QQ	The quarter-quarter of the Section in which the point of diversion is located.																
Qtr	The quarter of the Section in which the point of diversion is located.																
Sec	The Section in which the point of diversion is located.																
T	The Township in which the point of diversion is located.																
R	The Range in which the 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	<p>The number of acres irrigated or the manner of use of the appropriated water. The types of manner of use may include:</p> <table border="0" style="width: 100%;"> <tr> <td>COM - Commercial</td> <td>CON - Construction</td> </tr> <tr> <td>DOM - Domestic</td> <td>ENV - Environmental</td> </tr> <tr> <td>IND - Industrial</td> <td>IRR - Irrigation</td> </tr> <tr> <td>MM - Mining &amp; Milling</td> <td>MUN - Municipal</td> </tr> <tr> <td>OTH - Other</td> <td>PWR - Power</td> </tr> <tr> <td>QM - Quasi-Municipal</td> <td>REC - Recreation</td> </tr> <tr> <td>STK - Stockwater</td> <td>STO - Storage</td> </tr> <tr> <td>WLD - Wildlife</td> <td></td> </tr> </table>	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	
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  
INDIAN SPRINGS VALLEY, NO. 161  
2013**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
20628	Cert.	Indian Springs Water Co.	NW	9	16	56	798.00	MUN	<b>291.72</b>	POD 20628: S/N 2012110006 (Well 1)	
34725	Cert.									installed 10-07-12	
38859	Cert.									RD - 002665000 - 10-07-12	
49045	Permit									RD - 064764000 - 09-13-13	
63469	Permit									POD 38859: S/N 02066136 (Well 2)	
74693	Permit									RD - (1) 53137100 - 08-02-12	
74694	Permit									RD - (1) 82587700 - 09-13-13	
74695	Permit									POD 63469: WNV	
74696	Permit										
74905	Permit										
77228	Permit										
21767	Cert.	Madeline Gartland	NW	SW	9	16	56	7.64	COM	<b>0.00</b>	WV, not in use. 09-13-13 17 Trailers on city water.
22190	Cert.	Sandstone Land & Cattle	NE	NE	11	16	55	4.83	QM	<b>0.00</b>	WNV. 09-13-13
28412	Cert.	Galen & Judith Albright	SW	SW	9	16	56	1.00	1.00	<b>2.87</b>	S/N 63440586 RD - 03279100 - 08-02-12 RD - 04321000 - 09-13-13
28656	Cert.	Ellen Sargent	NW	SW	9	16	56	5.76	5.76	<b>16.05</b>	Domestic, trees, lawn, garden and Pasture Grass. S/N 60402485 RD - 45580800 - 08-02-12 RD - 51411400 - 09-13-13

**GROUNDWATER PUMPAGE INVENTORY  
INDIAN SPRINGS VALLEY, NO. 161  
2013**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
28657	Cert.	Ann Brauer	NW	SW	9	16	56	7.27	7.27	<b>32.75</b>	Domestic, Trees, Lawn, Horses & Pasture Grass. S.N 60362019 RD - 87085000 - 08-02-12 RD - 98985400 - 09-13-13
28658	Cert.	Cloude Albright	TR	46	9	16	56	0.60	0.00	<b>1.00</b>	credited for domestic use
29731 36526	Cert. Permit	Cold Creek Canyon Home Owners Assoc.	NE	SE	1	18	55	227.40	QM	<b>93.66</b>	S/N 95-46-90-3 South well (#1) RD - (5)3449140 - 08-02-12 RD - (7)5417340 - 09-13-13 S/N 95-46-91-3 North well (#2) RD - (6)9161490 - 08-02-12 RD - (8)1224700 - 09-13-13 Meter removed, well out of service
31126	Cert.	Weisse - Theurer	SW	47B		16	56	0.19	0.00	<b>0.00</b>	S/N 78384518 Locked 09-13-13 RD - 2238690 - 07-28-09 Property vacant
38283	Cert.	Betty Glover	TR	43C		16	56	1.38	DOM	<b>1.38</b>	S/N 673381 1 MH RD - 0522250 - 07-28-09 Locked 09-13-13
39555	Cert.	Galen Albright	SW	SW	9	16	56	0.82	0.82		S/N 60481840
			SE	SW				<u>1.32</u>	<u>1.32</u>		RD - 16635400 - 08-02-12
			<b>TOTAL</b>					<b>2.14</b>	<b>2.14</b>	<b>9.50</b>	RD - 20088400 - 09-13-13
39660	Cert.	George Thomas	NW	NW	16	16	56	1.01	QM	<b>1.01</b>	1 AH, lawn & trees. No meter. 09-13-13

**GROUNDWATER PUMPAGE INVENTORY  
INDIAN SPRINGS VALLEY, NO. 161  
2013**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
50967	Abr	Flanders	SW	SE	8	16	56	1.20	0.00	<b>0.00</b>	well not in use. Rights moved to Permit 74693
51572 51573 66651 66652	Cert. Cert. Permit Permit	Air Force - US		N2	8	16	56	172.13	QM	<b>117.67</b>	POD 51573 & 66652: Well 1 S/N 20072440-04 RD - 89582800 - 08-02-12 RD - (1)03695100 - 09-13-13 POD 51572 & 66651: Well 2 S/N 20070829-04 RD - 91355300 - 08-02-12 RD - (1)06870300 - 09-13-13 POD 51574 (WDR): Well 3 S/N 20070261-04 RD - 65704400 - 08-02-12 RD - 78831100 - 09-13-13
54508	Cert.	Jerry & Carrie Weisse	TR	48B	9	16	56	1.00	1.00	<b>2.29</b>	S/N 14013164 RD - 8880320 - 08-02-12 RD - 9713280 - 09-13-13
54509	Cert.	Gene Ray	TR	48B	9	16	56	1.00	1.00	<b>1.99</b>	S/N 37913261 RD - 20721500 - 08-02-12 RD - 21445700 - 09-13-13
61082	Permit	Cactus Springs 50 LLC	NE	NE	11	16	55	36.20	QM	<b>0.00</b>	Cactus Springs Bar closed S/N 33693205 RD - 9599720 - 08-02-12 RD - 9599720 - 09-13-13

**GROUNDWATER PUMPAGE INVENTORY  
INDIAN SPRINGS VALLEY, NO. 161  
2013**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
64603	Permit	Sheila Becker	NE	43A	9	16	56	14.48	0.00	<b>0.00</b>	Gas Station, RV-Park & Casino S/N 97533632 RD - 21660600 - 08-02-12 RD - 21660600 - 09-13-13
67458	Cert.	Phillip Benjamin	TR	45	9	16	56	0.70			S/N 57302708 North well
71743	Cert.						1.02				RD - 29236500 - 08-02-12
76875	Cert.						<u>0.70</u>				RD - 32373800 - 09-13-13
			<b>TOTAL</b>					2.42	2.42	<b>11.99</b>	S/N 65520802 South well RD - 7262640 - 08-02-12 RD - 8480070 - 09-13-13
69358	Permit	John H. Koot	SE	SE	36	17	55	4.81	COM	<b>3.71</b>	S/N 05001124 Cold Creek
80384	Permit							13.43	COM		RD - 08627300 - 08-02-12 RD - 09978500 - 09-13-13
74127	Cert.	James Fisher	TR	48C	16	16	56	1.40	1.40	<b>10.16</b>	S/N 150859 RD - 12903400 - 08-02-12 RD - 12903400 - 09-13-13
79844	Permit	Clark County	SW	SE	31	17	56	1.00	QM	<b>0.00</b>	Plugged, permit WDR. 09-13-13

**TOTAL: 597.74**

 , P.E.

Verified with field notes: \_\_\_\_\_

**APPENDIX D**

**INDIAN SPRINGS VALLEY GROUNDWATER PUMPAGE INVENTORY  
FIELD NOTES FOR WATER YEAR 2013**

2013

Indian Springs Valley  
**No. 161**

Inventory Field Notes

compiled by  
John Guillory, P.E.

State of Nevada  
Division of Water Resources  
Southern Nevada Branch Office

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 28412

WELL: YES  NO

METER SER NO: 63440586

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 04321000

PHOTO: YES  NO

ACRES IRR: 1.0

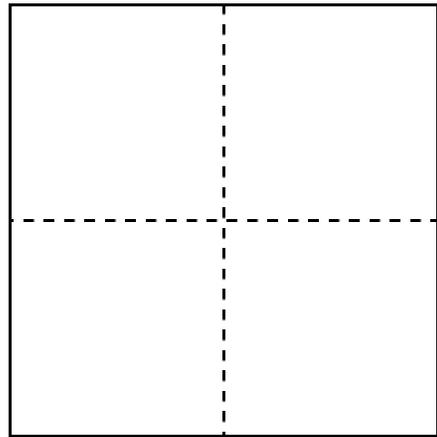
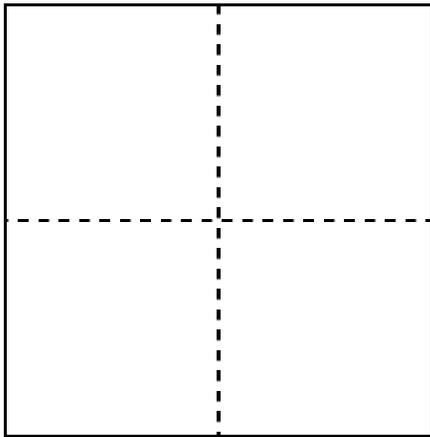
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 28656

WELL: YES  NO

METER SER NO: 60402485

PUMP: YES  NO

PUMP TYPE: \_\_\_\_\_

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 51411400

PHOTO: YES  NO

ACRES IRR: 5.76

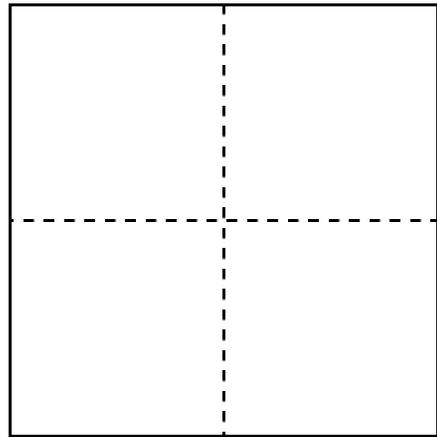
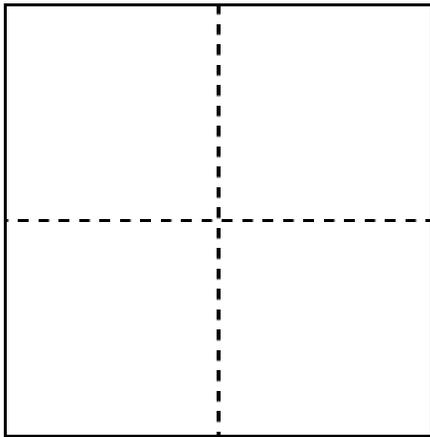
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 28657

WELL: YES  NO

METER SER NO: 60362019

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 98985400

PHOTO: YES  NO

ACRES IRR: 7.27

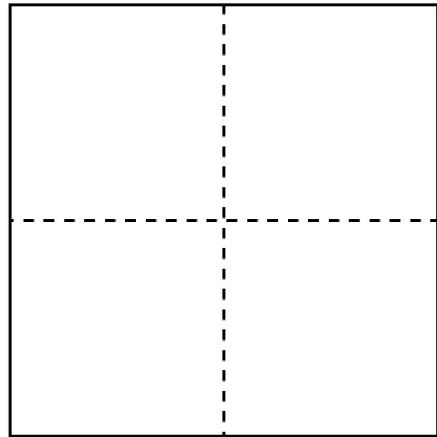
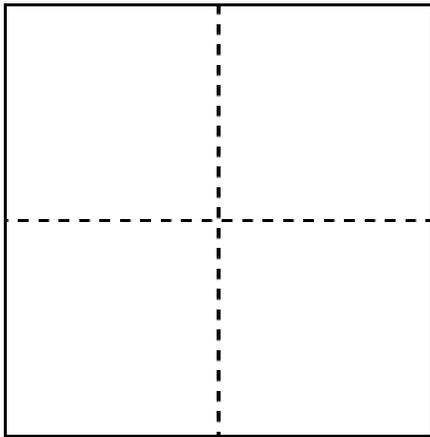
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Domestic Use, Trees, Horses & Pasture Grass

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 28658

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

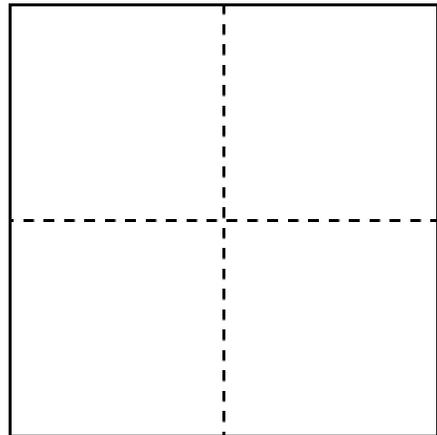
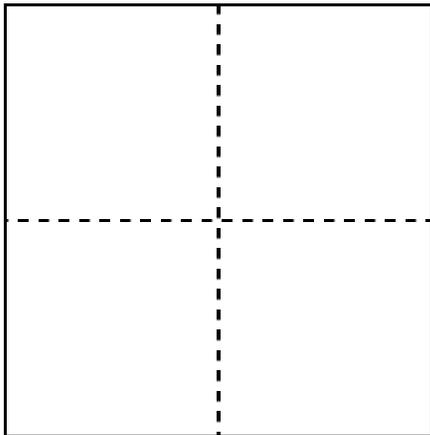
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: 1 Home, Lawn and Trees

\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 31126

WELL: YES  NO

METER SER NO: 78384518

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 0

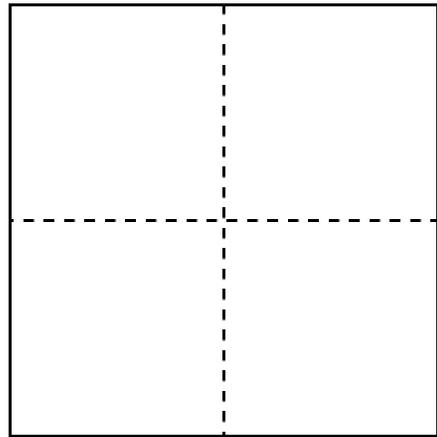
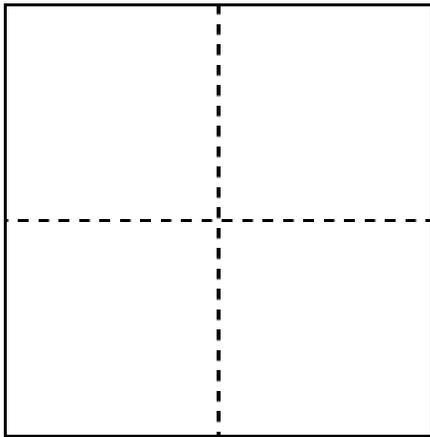
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Trailer abandoned. Locked

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 39555

WELL: YES  NO

METER SER NO: 60481840

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 20088400

PHOTO: YES  NO

ACRES IRR: 2.14

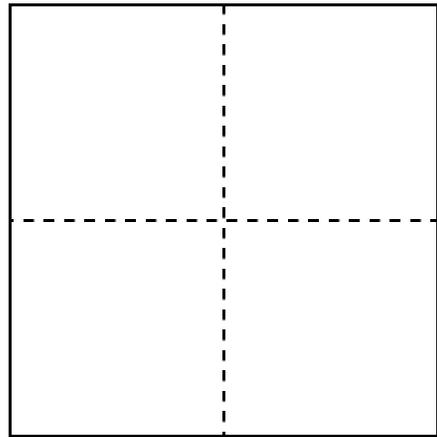
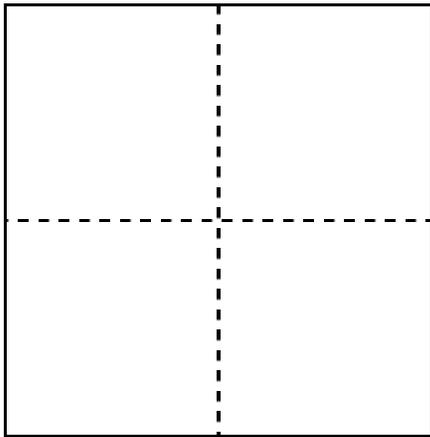
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 54508

WELL: YES  NO

METER SER NO: 14013164

PUMP: YES  NO

PUMP TYPE: \_\_\_\_\_

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 9713280

PHOTO: YES  NO

ACRES IRR: 1.0

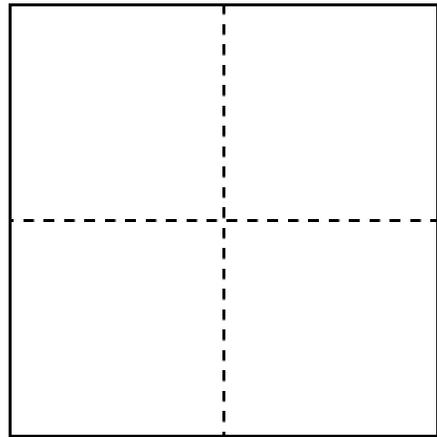
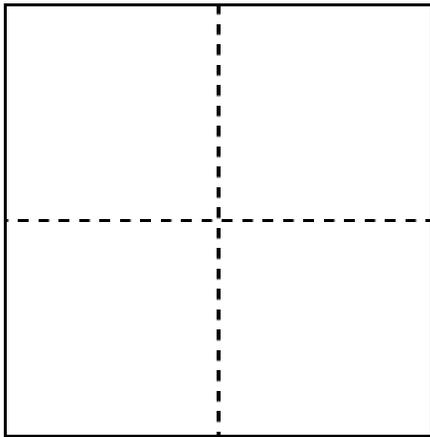
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Well in small shed

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 54509

WELL: YES  NO

METER SER NO: 379113261

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 21445700

PHOTO: YES  NO

ACRES IRR: 1.0

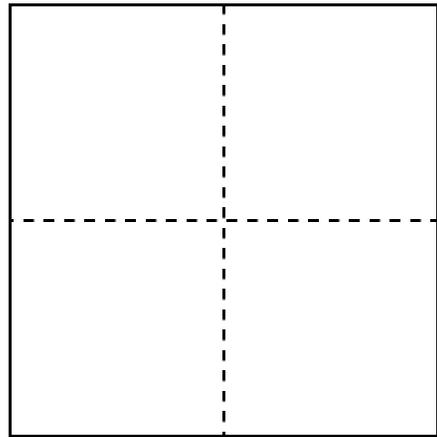
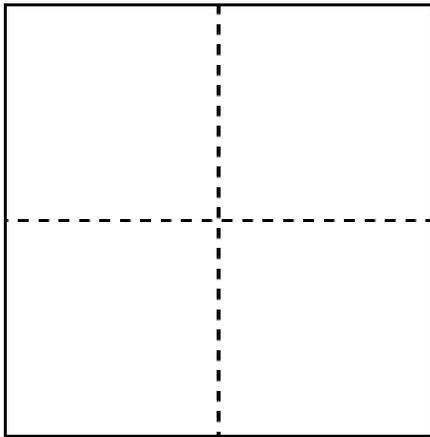
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Dogs. Irrigation of trees.

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 64603

WELL: YES  NO

METER SER NO: 97533632

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 21660600

PHOTO: YES  NO

ACRES IRR: 0.0

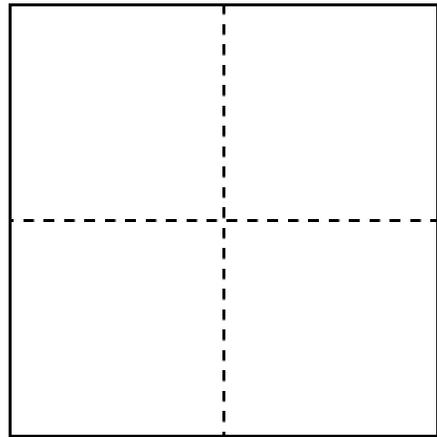
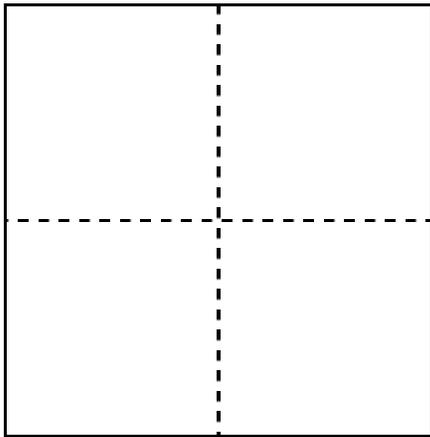
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Indian Springs RV Park & Casino. Park grass not irrigated.

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161 PERMIT NO: 67458, 71743, & 76875

WELL: YES  NO  METER SER NO: \_\_\_\_\_

PUMP: YES  NO  PUMP TYPE: Submersible

MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_

METER: YES  NO  METER READ: \_\_\_\_\_

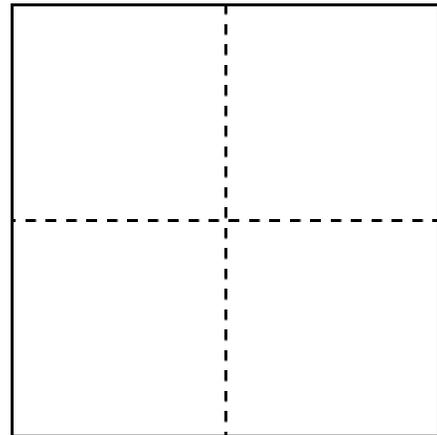
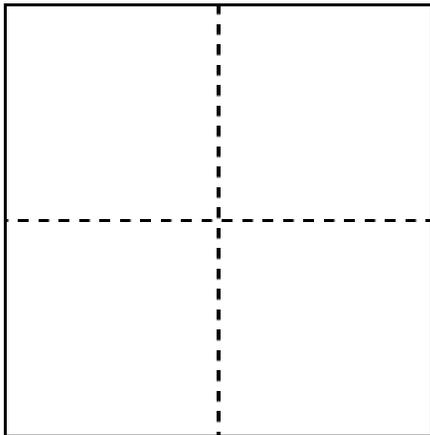
PHOTO: YES  NO  ACRES IRR: 2.42

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 67458 (South well): S/N 65520802; Reading - 8480070

POD 71743 & 76875 (North well): S/N 57302708; Reading - 32373800

SIGNATURE:  , P.E.

DATE: 9/13/2013

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 161

PERMIT NO: 74127

WELL: YES  NO

METER SER NO: 150859

PUMP: YES  NO

PUMP TYPE: \_\_\_\_\_

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 16594100

PHOTO: YES  NO

ACRES IRR: 1.4

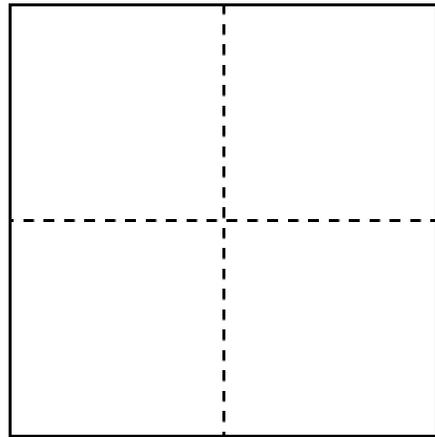
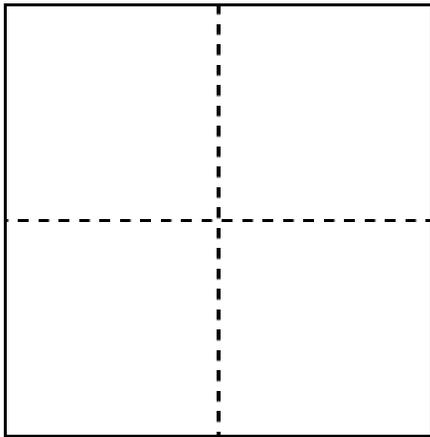
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: \_\_\_\_\_

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SIGNATURE:  , P.E.

DATE: 9/13/2013