

Permit No: 85-15636

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-15636

Exam Date: 10/2/2012

1. Current Owner: HARTY SCHMAEHL
PO BOX 1492
KAMIAH ID 83536-1492
(208)935-2322

Or

MARJORIE SCHMAEHL
PO BOX 1492
KAMIAH ID 83536-1492
(208)935-2322

2. Accompanied by: Harty Schmaehl
Phone No: (208)935-2322
Address: PO Box 1492, Kamiah, ID 83536-1492
Relationship to Permit Holder: Self (the current owner)

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. **Other water rights with the same place of use:** None. 85-10440 different groundwater source (well #1) for domestic 0.04 cfs and stockwater 0.02 cfs, within the same QQ; 85-7133 Clearwater River source for stockwater.

2. **Other water rights with the same point of diversion:** None. 85-10440 different groundwater source (well #1) for domestic 0.04 cfs and stockwater 0.02 cfs, within the same QQ; 85-7133 Clearwater River source for stockwater.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L9 NW1/4NW1/4 Sec. 35, Twp 34N,

Rge 03E, B.M.

LEWIS County*

**Well #3 was found to be the only source connected with water right 85-15636, since Well #1 was with water right 85-10440, and Well #2 which was suppose to be on water right 85-15636, but will not be included since it was drilled after the Proof of Beneficial Use was submitted. Proof was submitted on 7/1/2010 and Well #2 was completed on 6/21/2012. Another application for permit will need to be submitted to include well #2 and that POU for irrigation and commercial use.*

Method of Determination: Garmin GPS Map 76S, ArcMap 2011 and 2009

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE					
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals	
34N	03E	35					2.5	2.5											5.0	
Total Acres:							L 10	L 9												
							5													

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
34N	03E	35					X	X											
							L 10	L 9											

Method of Determination: Garmin GPS Map 76S, ArcMap 2011 and 2009

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
A0018553 (well #3)	unknown		unknown	unknown	1 inch, at 36 psi

Other wells seen, but not to be included on this system were:

Well #1 A0018551 (covered under water right 85-10440). Details are in the field examination.

Well #2 D0060910 (not covered by any water right, due to being drilled after the proof of beneficial use being submitted).

See details in the field examination narrative.

*Code to correspond with No. on map and aerial photo

D and E. FLOW MEASUREMENTS and FLOW CALCULATIONS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
none						

2. Measurements (5-gallon measurement):

Well #1 (covered under 85-10440; 7.14 gpm with 5-gallon bucket measurement X 0.00223 = 0.02 cfs)

Well #2 (not covered by 85-15636, since it was drilled after proof was submitted) 50 gpm X 0.00023 = 0.11 cfs

Well #3 (only eligible well on water right 85-15636) 75 gpm X 0.00223 = 0.17 cfs*

***Capacity of the system (well #3 only) for water right 85-15636 is 0.17 cfs**

RECOMMEND:

Irrigation: 5.0 acres X 0.02/acre = 0.10 cfs (surrounding grounds)

Commercial: 0.04 cfs (as permitted) 2-cabins, camping sites, trailer sites

Total Diversion Rate: 0.14 cfs

Permit

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (5.0 \text{ Acres Irrigated}) \times (3.5 \text{ Irrigation Requirement}) = 17.5 \text{ af}$$

$$V_{D.R.} = [0.10 \text{ Diversion Rate (cfs)}] \times (246 \text{ Days in Irrigation season}) \times 1.9835 = 48.8 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 17.5 \text{ af}$$

2. Volume Calculations for Commercial Uses:

$$0.04 \text{ cfs} \times 1.9835 \times 365 \text{ days} = 29.0 \text{ af}$$

Calculated fixtures and individual use (quantities obtained from Exh. 13 Rural Domestic Use):

$$2 \text{ employees/office: } 15 \text{ gpd} \times 365 \text{ days} = 5475$$

$$\text{Boarding home/B\&B: } 50 \text{ gpd} \times 400 \text{ boarders per year} \times 1 \text{ day average stay per year} = 20,000$$

$$11 \text{ toilets} \times 7 \text{ gpd} \times 400 \text{ boarders} \times 3 \text{ average times per day} \times 52 \text{ weeks in the year} = 4804800$$

$$13 \text{ sinks} \times 2 \text{ gpd} \times 3 \text{ times per day average use} \times 365 \text{ days per year} = 370110$$

$$9 \text{ showers} \times 400 \text{ boarders} \times 1 \text{ time per day} \times 35 \text{ gpd} \times 1 \text{ day average stay per year} = 126000$$

$$2 \text{ wash machines} \times 50 \text{ gpd} \times 2 \text{ times per week} \times 52 \text{ weeks per year} = 10400$$

$$5336785/325,982 = 16.37 = 16.4 \text{ af}$$

RECOMMEND:

Irrigation: 5.0 acres, 17.5 af

Commercial: 16.4 af

Total Annual Volume: 33.9 af

G. NARRATIVE/REMARKS/COMMENTS

The system consists of 3 wells (#1, 2 and 3). Well #1 is covered under water right 85-10440 for Domestic (0.04 cfs) and Stockwater (0.02 cfs), ID Tag #A0018551, is a 6 inch casing that extends 20 inches above the ground level, with a submersible 2 Hp Gould pump 5GS10412, is 630 ft deep, 410 ft static, drilled 11/9/1993 by Burns Well Drillers #103, and has a power pole next to it: Itron No. 12113578. It has an unknown size discharge to a frost free hydrant with numerous hoses and misc nozzles to water small fruit trees and berries. Wells #2 and 3 were on the system at the time of the field examination. On the permit for 85-15636, wells #2 and 3 are shown. Well #2 (ID Tag# D0060910 Centro Pro 3Hp model CB30412MC submersible pump, with unknown size discharge; is 500 ft deep, with a 287 ft static, and discharges to a frost free hydrant with numerous hoses and misc size nozzles for irrigating berries, small tree and bushes. Well #2 was drilled by Brett Uhlenkott Drilling on 6/21/2012, which was after the proof of beneficial use was submitted to the department on 7/1/2010. For this reason, Well #2 cannot be included on the license for 85-1536. Both well #1 and 2 are piped to a 3600 gallon cistern located down the road to the north. In the area where the cistern is located, there is a frost free hydrant for watering the garden area of berries and small fruit trees. From the cistern there is a 1 1/4 inch poly line that runs to the guest house, to the Lodge, and to the office/house. There is a frost free hydrant there for watering plants and flowers surrounding the buildings. Moving to the west in the NWNW Lot 9, is located well #3. It is located inside a pump house directly south of a very small guest house. Well #3 ID Tag #A0018553, has an 8 inch casing that extends 18 inches above ground level; was drilled 12/22/1969 by Leach Well Drilling; is 150 ft deep and has a 39 ft static level. It

has an unknown size, make and model submersible pump with a 1 inch galvanized steel discharge that converts to 1 inch buried PVC that runs to the small guest house directly to the north, another line to the duplex guest house slightly northwest (down the bench), and a line that runs to the frost free hydrant located directly to the east for the trailer, and then the line continues to the east to a frost free hydrant located by the shop for irrigating the front lawn area. Property where the POU's and PODs are located are owned by Hearthstone Lodge LLC and Idaho Development LLC (both with the same address).

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.100 CFS	17.50 AF
COMMERCIAL	01/01 to 12/31	0.040 CFS	16.00 AF
	<u>Totals:</u>	0.140 CFS	33.50 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name

Judy Hemminger

Date

2/15/2014



camp sites

guest cabin

guest cabin

(2) homes, office and lodge

Irrigation (lawn area)

3600 gallon cistern

85-15636 Well #3 (Irrigation and Commercial)

Irrigation (garden; berries; fruit trees)
covered under 85-10440

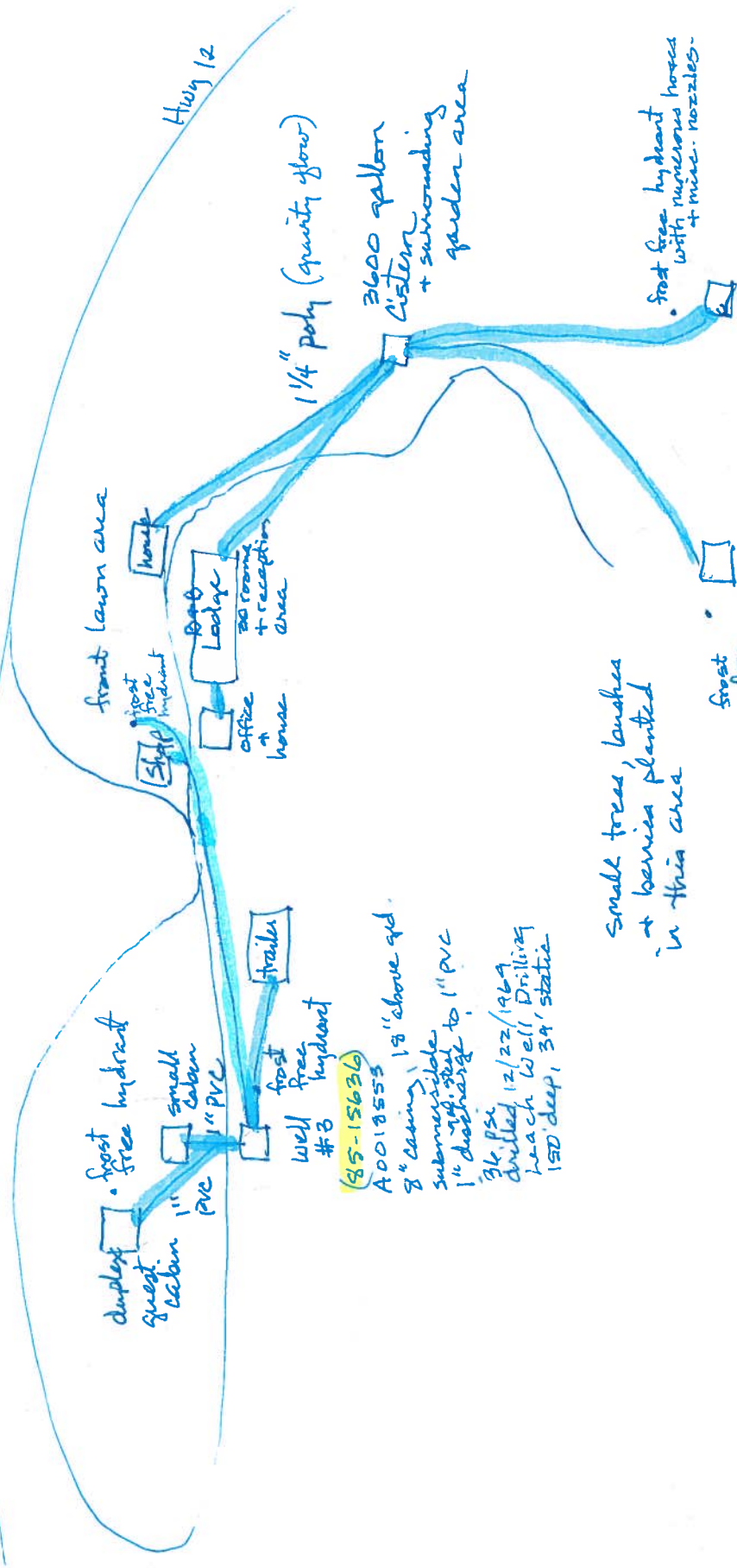
Well #2, Drilled 6/21/2012
Not covered under 85-15636 since
Proof of Beneficial Use was submitted on 7/1/2010

85-10440 Well #1 (Domestic and Stockwater)

3250

Hwy 12

Heuy 12, Kamiah, ID 83536



Small trees, bushes
+ berries planted
in this area

frost
free
pleasant
with numerous
hedges & mounds,
hazels.

(85-15636)

DO060910
Centro Pro 3HP
model CA30412mc
submersible
6" casing, 39" above

* Cannot hire under 85-15636

deep
ed 6/21/2012
t Uhlenkott Drilling
: static submitted 7/10
proof submitted ✓

10/2/2012

85-157036

- frost free hydrant with numerous boxes + misc. nozzles.

Well #1

(covered by WR # 85-10440)
Domestic I, & Stockmaster

0.06 cfs total) combine

A0018551 submersible

2 HP Gould 56510412
" 10" above ground

6" casing, 20 clove

power pole: 113578

12/1/35 Burns Well 103 drilled 11/5/93

630' deep, 410' static

2. Hemerican

MAR 24 1993 WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
Department of Water Resources, 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

on the QQ, but located in NE NW 10

Covered
under
85-10440
Well
#1

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

1. WELL TAG NO. D 0060910Drilling Permit No. 803086

Water right or Injection well # _____

2. OWNER: Harty SchmaehlName Harty SchmaehlAddress P.O. Box 1492City Kamiah State ID Zip 83536

3. WELL LOCATION:

Twp. 34 North ☒ or South ☐ Rge. 3 East ☒ or West ☐Sec. 35 1/4 NE 1/4 NW 1/4Gov't Lot _____ County IdahoLat. 46 ° 14.977 (Deg. and Decimal minutes)Long. 116 ° 2.905 (Deg. and Decimal minutes)Address of Well Site Hwy 12, mp 164, 3 mileswest of Kamiah City Kamiah

Lot _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite (Hole Plug)	0	38	17 sacks	top pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
6"	0	38	250	steel	☒	☐	☐	☒
4 1/2"	20	500	200	pvc	☐	☒	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 38'

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method skill sawManufactured screen ☐ Y ☒ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
460	500	1/8x4	15	4.5	pvc	200

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
-----------------	-----------	---------	------------------------------------	------------------

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 450 Static water level (ft) 287Water temp. (°F) 51° Bottom hole temp. (°F) _____

Describe access port _____

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
500	18	60

Test method:

Pump	Bailer	Air	Flowing artesian
☐	☐	☒	☐

Water quality test or comments: good

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10	0	38	Decom. Granite		☒
6	38	345	med brown granite		☒
6	345	330	hard white granite		☒
6	330	350	Salt & pepper granite		☒
6	350	412	med brown granite		☒
6	412	500	Soft green granite		☒

Completed Depth (Measurable): 500Date Started: 6/19/12 Date Completed: 6/21/2012

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Brett Unenkott Drilling Co. No. 709Principal Driller Brett Unenkott Date 7-15-12

Driller _____ Date _____

Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Well # 234N 03E 35

**State of Idaho
Department of Reclamation**

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

POSTED

1. WELL OWNER
Name C. Van Bommel
Address Box 106 Rt 2 Karnish Idaho
Owner's Permit No. 85-69-N-34

7. WATER LEVEL
Static water level 39 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow 12 G.P.M.
Temperature ° F. Quality Taste Good
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK
☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED
☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION
Diameter of hole 6" inches Total depth 150 feet
Casing schedule: ☒ Steel ☐ Concrete
Thickness 250 Diameter 6" From 1 Above 40
24 inches 6" inches 1 A.G. feet 40 feet
Inches inches feet feet
Inches inches feet feet
Inches inches feet feet
Inches inches feet feet
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation inches by inches
Number From To
 perforations feet feet
 perforations feet feet
 perforations feet feet
Well screen installed? ☐ Yes ☒ No
Manufacturer's name
Type Model No.
Diameter Slot size Set from feet to feet
Diameter Slot size Set from feet to feet
Gravel packed? ☐ Yes ☒ No Size of gravel
Placed from feet to feet
Surface seal? ☒ Yes ☐ No To what depth 30 feet
Material used in seal ☐ Cement grout ☒ Puddling clay

6. LOCATION OF WELL
Sketch map location must agree with written location.

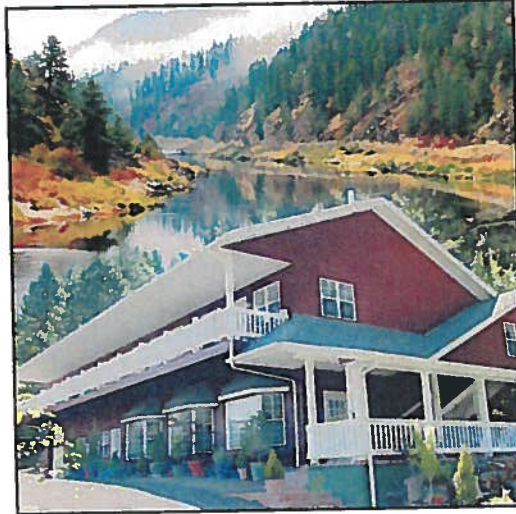
84

County Lewis
NW 1/4 NW 1/4 Sec. 35, T. 34 N. R. 3 E

10.
Work started Dec 15 finished Dec 22-69

11. DRILLER'S CERTIFICATION
This well was drilled under my supervision and this report is true to the best of my knowledge.
Leach Well Drilling 99
Driller's or Firm's Name Number
Rt 1 Box 88 Karnish Idaho
Address
Nathaniel L. Leach Dec 22-69
Signed By Date

HEARTHSTONE ELEGANT LODGE




**Jacuzzis Fireplaces
Views Balconies Trails**



**Spectacular Scenery
World Class Lodging**

208-935-1492

**Hwy. 12, MP 64 on Clearwater River
Historic Kamiah, ID 83536**



Entrance
to
Hearthstone
Lodge
Hwy 12,
milepost
64,
2 miles
west of
Kamiah



PDU:
Irrigation
property
north of
Lodge

85-15636

S. Hemenway



Poli:
Commerce
shop



85-15636

S. Hernandez



POU:
Commercial
Guest
Home

10/02/2012



POU:
Guest
Home
+
Lodge
with
meeting
room
+
4 guest
areas

10/02/2012

85-15636

S. Hemerday



PDU:
Irrigation
property
north
of lodge



Behind
Lodge:
Road
leading
up the
hill to
garden
area &
large
sewerage
that
is
irrigated

85-15636

S. Hemerway



Poll:
berries
(garden
area)
covered
by
85-10441



3600
gallon
cistern

85-15636

S. Hemerway



water
right
85-10440
POD

well #1
A0018551
2 HP
Could
SGS1041
6" casing
20' above
ground
level

10/02/2012



ID
tag
on
power
pole

Itron
12113578

10/02/2012

85-15636

This is well #1 (85-10440)

S. Hernerway



PDD
 well#:
 Centri
 Pro
 model
 CB30412
 MC
 3HP
 ID tag
 D006091
 6" casing
 39" above
 ground
 level

10/02/2012



PDD
 for
 85-1044
 Another
 picture
 of
 well #1
 with
 hose
 for
 misc.
 sprinkler

10/02/2012

85-15636

S. Hemerwan



View
to
north
east
from
well#2

10/02/2012



For
well
#2
control
box

10/02/2012

85-15636

S. Hemenway



POD
Across
from
guest
house
(shown
below),
to the
south
is the
pump
house
for
well #3

8" casing
18" above
ground,
1" discharge
to 1"

PVC to
guest
house
below
& trailer

10/02/2012



Commercial
POD:
small
guest
house

10/02/2012



POU:
Commercial
trailer
1" PVC
from
well #3



Road
going
back
down
to
ledge
from
well
#1 +
#2.
1"
poly
along
road
with
sprinkler

85-15636

S. Hernerway



Pole:
 Commercial
 Irrigation
 Area
 where
 people
 park
 their
 motor
 homes
 or
 trailers
 (NWNW)

10/02/2012



more
 mobile
 units
 parking
 (NWNW)

10/02/2012

PDU:
Commercial
guest
cabin



85-15636

S. Hemerway