

**ARIZONA GAME AND FISH DEPARTMENT  
 HABITAT PARTNERSHIP COMMITTEE  
 HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	15-608
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**PROJECT INFORMATION**

**Project Title:** Slate Creek Solar Well

**Region and Game Management Unit:** Region 6 GMU 22

<b>Local Habitat Partnership Committee (LHPC):</b> <ul style="list-style-type: none"> <li>Payson Natural Resources Committee</li> </ul>	<b>Was the project presented to the LHPC?</b> YES[X] NO[]
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**Has this project been submitted in previous years?** YES[] NO[X]  
**If Yes, was it funded?** YES[] NO[] → **Funded HPC Project #(s):**

**Project Type:** Well deepening and solar pump

**Brief Project Summary:** The Slate Creek Windmill currently pumps water from a well that is approximately 40' deep. This project would deepen the well to 100'-150' deep and replace the wind driven pump with a solar pump making it more reliable. The H-4 Ranch already has the infrastructure in place for 52,000 gallons of water storage, 17 drinkers and approximately 20 miles of pipeline. The water from this well will have the ability to water 3 allotment pastures.

**Big Game Wildlife Species to Benefit (% benefit per species) :** 45% Whitetail, 30% Mule Deer, 10% Elk, 10% Bear, 5% Javelina

<b>Implementation Schedule</b> (Month/Day/Year):  <u>Project Start Date:</u> March 2, 2016  <u>Project End Date:</u> September 23, 2017	<b>Environmental Compliance:</b> NEPA Completed: Yes[X] No[] N/A[] Projected Completion Date: _____  State Historic Preservation Office - Archaeological Clearance: (Provide Attachment) Yes[X] No[] N/A[] Projected Completion Date: _____  Arizona Game and Fish Department EA Checklist: N/A[] To be Completed by: <u>Dave Daniels</u> Projected Completion Date: _____
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**PROJECT FUNDING**

<b>Special Big Game License Tag Funds Requested:</b>	\$ 20,000
<b>Cost Share or Matching Funds:</b>	\$ 58,500
<b>Total Project Costs:</b>	\$ 78,500

**PARTICIPANT INFORMATION**

<b>Applicant</b> (please print): Dave Daniels	<b>Address:</b> 7200 E University Mesa AZ 85207	<b>E-mail:</b> ddaniels@azgfd.gov
<b>Telephone:</b> 480-528-8774		<b>Date:</b> 8/26/15

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

**Project has been coordinated with:**

AGFD, USFS, H-4 Ranch

**NEED STATEMENT – PROBLEM ANALYSIS:**

This well provides water for a huge area between Hwy 87 and Hwy 188. The well also serves as a back-up water source for an even larger area. This project would make the well and the pump more reliable.

**PROJECT OBJECTIVES:**

Provide reliable permanent water to the lower Slate Creek and Cottonwood pastures

Provide a back-up water source to the Old Lady Brunson pasture.

Provide water for 3- 14,000 gallon storage tanks and 1- 10,000 gallon storage tank

Supply continuous water to 17 drinkers

**PROJECT DESCRIPTION AND STRATEGIES:**

A well drilling contractor will be hired to deepen the well and set-up the solar pump

The H-4 Ranch will make sure the well is connected to the existing infrastructure.

**PROJECT LOCATION**

33.95285

111.35221

**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(If the project area is private property, please state specifically and provide the landowner's name)

- The land is managed by the USFS, Tonto National Forest, Tonto Basin Ranger District

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[] N/A[X]

**HABITAT DESCRIPTION:**

The area sits at approximately 1200 feet elevation and is made up of high desert grasslands and mixed chaparral.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

\$20,000 – To be used to hire a contract well driller and purchase a solar pump

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

H-4 Ranch- \$56,000

USFS – 1,500

AGFD - \$1,000

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

H-4 Ranch

- Provide 4 storage tanks totaling 52, 000 gallons
- Provide 17 drinkers and fittings
- Provide Approximately 20 miles of pipeline
- Facilitate and coordinate with contract drilling company
- Facilitate purchase and installation of solar pump
- Provide project labor

Arizona Game and Fish Department

- Provided in-kind contributions in the form of labor for contract administration, project origination, and project coordination/completion.

U.S. Forest Service, Tonto National Forest, Pleasant Valley Ranger District

- Provided administrative support in the form of necessary NEPA and archaeological clearances.
- Provide letter of approval for implementation of project.

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?**

YES[] NO[] N/A[X]

**PROJECT MONITORING PLAN:**

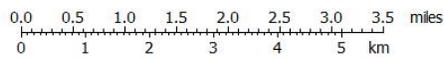
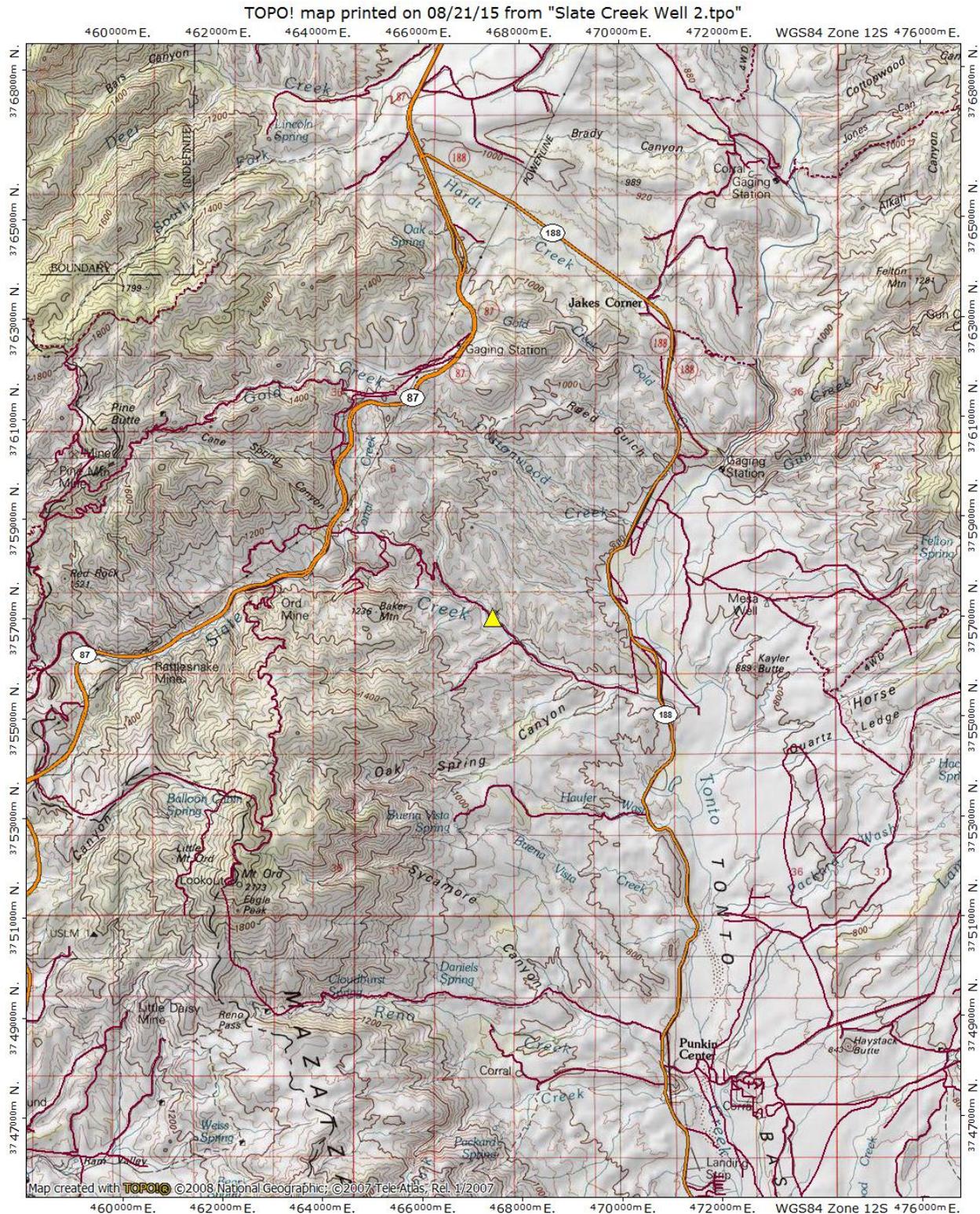
Project proponent and the USFS will monitor the project

**PROJECT MAINTENANCE:**

The H-4 Ranch will maintain the water system

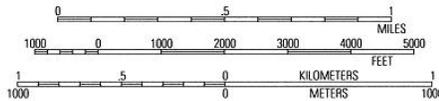
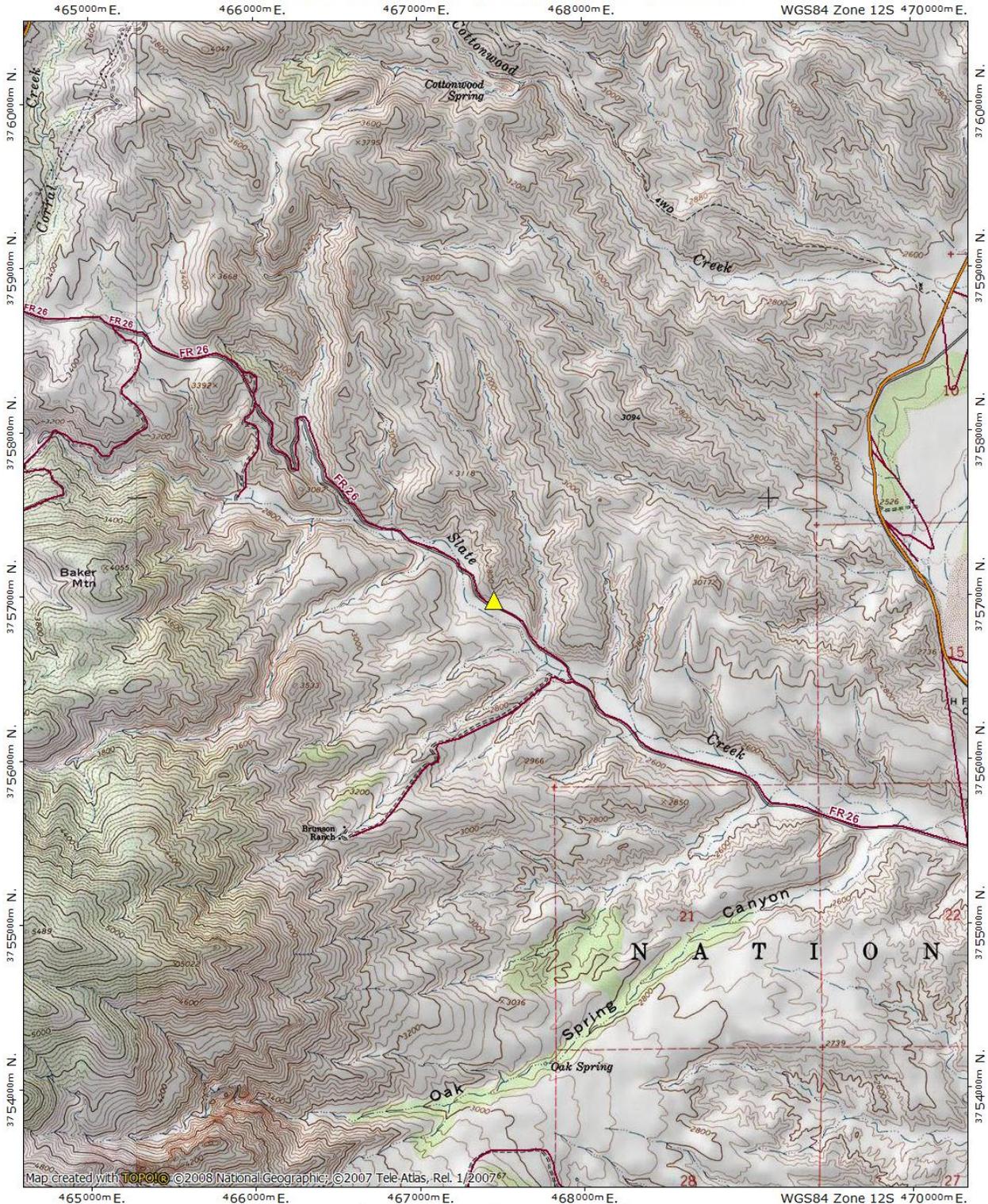
**PROJECT COMPLETION REPORT TO BE FILED BY:**

The project proponent is responsible for the completion report



08/21/15

TOPO! map printed on 08/21/15 from "Slate Creek Well.tpo"



TN MN  
10 1/2°  
08/21/15