

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

Game Branch / HPC Project Number:	14-101
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PROJECT INFORMATION

Project Title: Hub Point Well Development, Phase 1	
Region and Game Management Unit: Region 1, GMU 3C	
Local Habitat Partnership Committee (LHPC): • Show Low HPC	Was the project presented to the LHPC? YES[X] NO[]
Has this project been submitted in previous years? YES[] NO[X] If Yes, was it funded? YES[] NO[] → Funded HPC Project #(s):	
Project Type: Water Development, New Well	
Brief Project Summary: A new well will be drilled in the general vicinity of Hub Point, called Hub Point Well. A generator and a submersible pump will be installed. 12,000 gallons of storage and (2) drinkers will be located at the well site as part of phase 1. Later phases, following archeological survey, will include multiple legs of pipeline from the well, approximately 10 miles, to extend to drinkers and existing stock tanks that will provide water to nearly 14 sections, or approximately 9,000 acres of critical habitat for elk, turkey, and mule deer. NEPA has been completed for later phases. Archeological clearance will be completed for later phases following layout of the pipelines.	
Big Game Wildlife Species to Benefit: Elk, Turkey, Mule Deer	

Implementation Schedule (Month/Day/Year): <u>Project Start Date:</u> May 2015 <u>Project End Date:</u> October 2015	Environmental Compliance: NEPA Completed: Yes[X] No[] N/A[] Projected Completion Date: <u>September 17, 2010</u> State Historic Preservation Office - Archaeological Clearance: Yes[X] No[] N/A[] Projected Completion Date: <u>August 22, 2014</u> Arizona Game and Fish Department EA Checklist: N/A[] To be Completed by: <u>Paul Greer</u> Projected Completion Date: <u>Summer 2015</u>
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PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 55,300
Cost Share or Matching Funds:	\$ 15,700
Total Project Costs:	\$ 71,000

PARTICIPANT INFORMATION

Applicant (please print): Andy Habgood, USFS	Address: 2748 Hwy 260 PO BOX 968 Overgaard, AZ 85933	E-mail: andrewhabgood@fs.fed.us
Telephone: 480-707-8029		Date: August 19, 2014

AGFD Contact and Phone No. (If applicant is not AGFD personnel): Paul Greer 928-358-8905
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Project has been coordinated with: AZGFD, Phil Hagadorn (Permittee), Ranch Hands, USFS

NEED STATEMENT – PROBLEM ANALYSIS:

There is a lack of perennial water in this area, making it necessary to haul water for both wildlife and livestock during the early summer months and sometimes for the whole summer. This lack of water creates a problem for wildlife, limiting their distribution within this available critical habitat. This perennial water source is crucial in the dry times of the year, as well as during prolonged drought periods. Phase 1 will create a perennial water source in this area. Later phases will distribute this water and further improve distribution of both wildlife and livestock.

PROJECT OBJECTIVES:

- a) Improve water availability for deer, turkey, and elk in critical habitat
- b) Allow wildlife to utilize available forage in this area
- c) Provide a perennial water source for future expansion
- d) Reduce the cost and time associated with hauling water to wildlife drinkers in this area

PROJECT DESCRIPTION AND STRATEGIES:

- a) Drill a new well and outfit it with a generator and submersible pump setup
- b) Install (2) storage tanks to improve water volume capable of being held at the well site
- c) Install (2) drinkers near well site to provide water for wildlife and livestock
- d) Insure that the system is able to be expanded to incorporate multiple legs of pipeline in the future

PROJECT LOCATION:

T10N, R19E, Section 11

Project is located south of Clay Springs, east of Forest Road 132(Pinedale Ridge Road) and north of Forest Road 919. Map is attached.

LAND OWNERSHIP AT THE PROJECT SITE(S):

- United States Forest Service, Sitgreaves National Forest

HABITAT DESCRIPTION:

Habitat is madrean montane conifer forest with the principal tree species consisting of ponderosa pine, gambel oak and alligator juniper. Browse species such as ceanothus and mountain-mahogany are present in abundance. Elevations in the project area range from 6,700 to 7,150 feet. Herbaceous forage conditions are also very good in the project area due to the proximity of adjacent burn areas from the Rodeo-Chediski and Cottonwood fires. The mosaic created by opened burned areas within stands of medium to old growth pine, oak and junipers provides excellent habitat for elk, mule deer and turkey. The primary limiting factor in this area is lack of perennial water.

ITEMIZED USE OF FUNDS:

Excel spreadsheet attached along with bid from well drilling company

Special Big Game License Tag Funds

Well with Casing - \$36,400

Pump with Installation – \$18,900

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

Permittee

Generator - \$4,000

Storage Tanks - \$3,000

Plumbing - \$500

Labor – \$1,500

USFS

Drinkers - \$1,500

Pipe - \$200

NEPA and Clearances - \$5,000

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AZGFD has been involved in the formation of this application and overall development of this project. Permittee will perform all labor associated with the installation of storages, pipe, and drinkers. The generator, storage, and plumbing will be provided by the permittee. USFS will provide the Numex pipe and drinkers for the site. All clearances have been obtained by the USFS. USFS may assist in any labor associated with the installation of the storage, drinker, and pipe. Later phases of this project will be collaboratively developed with AZGFD, USFS, and the permittee.

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

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

PROJECT MONITORING PLAN:

Inspections will be made during the process of drilling the well and installation of the storage, drinkers, and pipeline. These inspections will be made by USFS and AZGFD personnel. Routine inspections of the well and water system will be made by USFS personnel after completion of the project to insure that the well is being maintained.

PROJECT MAINTENANCE:

The grazing permittee will be responsible for all maintenance and upkeep of the well and it's components of phase 1 per the Term Grazing Permit issued by the USFS.

PROJECT COMPLETION REPORT TO BE FILED BY:

Andy Habgood, USFS – Lakeside Ranger District

ARIZONA GAME AND FISH DEPARTMENT **WATER DEVELOPMENT WORKSHEET**

PROJECT TITLE: Hub Point Well Development, Phase 1

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
2-4 4-6 6-8 8-10 10-12 12-14 14-16 >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**

YES (please complete #5 below) NO (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**

Name of water source:

Type of water source (catchment, spring, dirt tank):

Ownership of water source:

Distance in miles from project:

- 6) **Is the target wildlife species a result of transplant efforts? YES NO**

- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

- 8) **Please provide the following information about access to the proposed site:**

Type of access (mark one): 2x4 vehicles 4x4 only foot only**

**If foot access only: Distance in miles: _____ Approximate hiking time: _____

-- Does access to this site require crossing private or tribal lands? YES NO

-- Please describe any restrictions to public access: High clearance 2 wheel drive vehicles can make it to the site. To go beyond the site, 4x4 is required.

- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

1 ¼” numex pipe for entire system, (2) 6,000 gallon storages or equivalent at well site, (2)

8’ galvanized or tire troughs that are wildlife friendly with escape ramps

- 10) **Was a site visit completed? Yes No**

If Yes, please list personnel that attended and date.

May 18, 2012 Kay Perkins(Permittee), Quinn Smith(Ranch Hand), Andy Habgood(USFS), Paul Greer(AZGFD)

February 24, 2014 Joe Hollum(Ranch Hand), Ty Smith(Ranch Hand), Phil Hagadorn(Permittee), Andy Habgood(USFS)



View looking south from the Hub Point Well location into Cottonwood and Rodeo-Chediski burns



View looking west into Rodeo-Chediski Burn from Hub Point Well Location



