

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

<b>PROJECT INFORMATION</b>	
<b>Project Title:</b> Ellsworth Fuel 2007	<b>Project No.</b> 07-103
<b>Region/GMU:</b> 4A	<b>HPC:</b> Winslow
<b>Project Type:</b> Purchase fuel for Well and pipeline	
<b>Project Description:</b>  Purchase 1000 gallons of fuel for the Ellsworth well. This well feeds 11 miles of buried pipeline with 9 drinkers. These drinkers are disburse in a matter that about 20 sections of wildlife habitat are served from this well  <b>Wildlife Species to Benefit:</b> Elk 80% Deer 10% Antelope 10%	
<b>Possible Funding Partners:</b>	
<b>Implementation Schedule:</b> Beginning: April 2007 Completed: November 2007	
<b>PROJECT FUNDING</b>	
<b>SBG Funds Requested:</b> \$ 2750.00	
<b>Cost Share Funds:</b> \$ 4950.00	
<b>Total Project Costs:</b> \$ 7700.00	
<b>PARTICIPANT INFORMATION</b>	
<b>Applicant:</b> Ken Clay III  <b>Telephone:</b> 928 289-5368	<b>Address:</b> 1144 Jolly Rd Winslow, AZ 86047
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> Ohaco Cattle Company	
<b>Applicant's signature:</b> 	<b>Date:</b> FEB 27, 2007

**SEND COMPLETED APPLICATIONS TO:**

Game Branch  
2221 W. Greenway Rd.  
Phoenix, AZ 85023  
mdisney@azgfd.gov

**NEED STATEMENT/PROBLEM ANALYSIS:**

Reliable source of perennial water on the north part of Unit 4A is limited to man-made structures. Stock ponds, wildlife catchments, and wells provide the majority of water to wildlife and cattle during dry periods. On the Clear Creek Allotment (located on the northwest part of the Forest) the most reliable perennial water comes from wells. The two wells that provide this water is Ellsworth and High Point wells. Ellsworth Well serves mainly Forest Service land while High Point serves mainly the Private and State Lands. Currently, Ellsworth Well is maintained and operated by Ohaco Cattle Company. The operating cost associated with this well includes scheduled service, unscheduled repairs and fuel costs. Under average rainfall conditions, this well is in service for about 32 weeks starting in April running until November. When the water system is fully charged in November, the water supply will last until the following spring. The water system associated with Ellsworth Well consists of 9 drinkers. Seven of these drinkers are located on the forest and two are on private land. The seven drinkers on the Forest receive 100% wildlife use 8 of the 12 months through the year. The grazing permit on the Forest allows livestock to start grazing in August and ends in November. To fully maintain water at the 9 drinkers and the two storage tanks, the generator burns approximately 55 gallons of diesel fuel a week. This is about 1800 gallons of diesel fuel a year.

**PROJECT OBJECTIVES:**

Provide water on the Clear Creek Forest Permit, which is owned by Ohaco Cattle Company. When this well is operated from April thru December, perennial water is available to wildlife in the area. This helps with distribution that leads to better range condition.

**PROJECT STRATEGIES:**

- Ellsworth Well will start operation in April of 2007 and continue until November 2007
- In November 2007 the storage tanks will be full so water is available through the winter at freeze proof troughs.
- This water system affect over 20 sq/miles of habitat
- This water systems supplies water to 9 drinkers within this habitat

**PROJECT LOCATION:**

See attach map. Unit 4A just off of Forest Service Road 63. This well serves 9 drinkers behind approximately 11 miles of pipeline. Water is located on both Forest Service and private land. The total wildlife habitat affected by this system is over 20 sq/miles.

- All drinkers are plotted on the attached map. Drinkers are marked **ELLS1** thru **ELLS9**
- **ELLS1** is the location of the Ellsworth Well and the first drinker.

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**

USDA Forest Service  
Ohaco Cattle Company

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

Yes

**HABITAT DESCRIPTION:**

Pinyon/Juniper habitat with large grassland openings. The area has a good mixture of browse.

**ITEMIZED USE OF FUNDS:**

- Diesel fuel average cost \$2.75 per gallon x 1800 gallons = \$4950.00
- Man hour cost to operate well - 170 hours x \$15.00 = \$2550.00
- Maintenance cost for generator and well – 4 services x \$50.00 = \$200.00
- Total Cost = \$7,700.00

Ohaco Cattle Company requests a payment of \$2,750.00 for 1000 gallons of diesel fuel.

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

- Ohaco Cattle Company – purchase remaining supply of fuel (approximately 800 gallons)
- Continuing to maintain and operated the well.
- All 9 drinkers must be in service from April 2007 thru November 2007.
- Maintain year-round supply of water at the Ellsworth Well Drinker (ELLS 1)

**PROJECT MONITORING PLAN:**

AZGF Wildlife Manager will monitor the 9 drinkers on the water system from April thru November. During the past four years Ken Clay monitored this water system. Each year the Ohaco Ranch has made sure this system was fully charged during the April to November Period. Water has also been available year-round at **ELLSd1**.

**PROJECT MAINTENANCE:**

Jim Ohaco (Ohaco Butte Cattle Company)

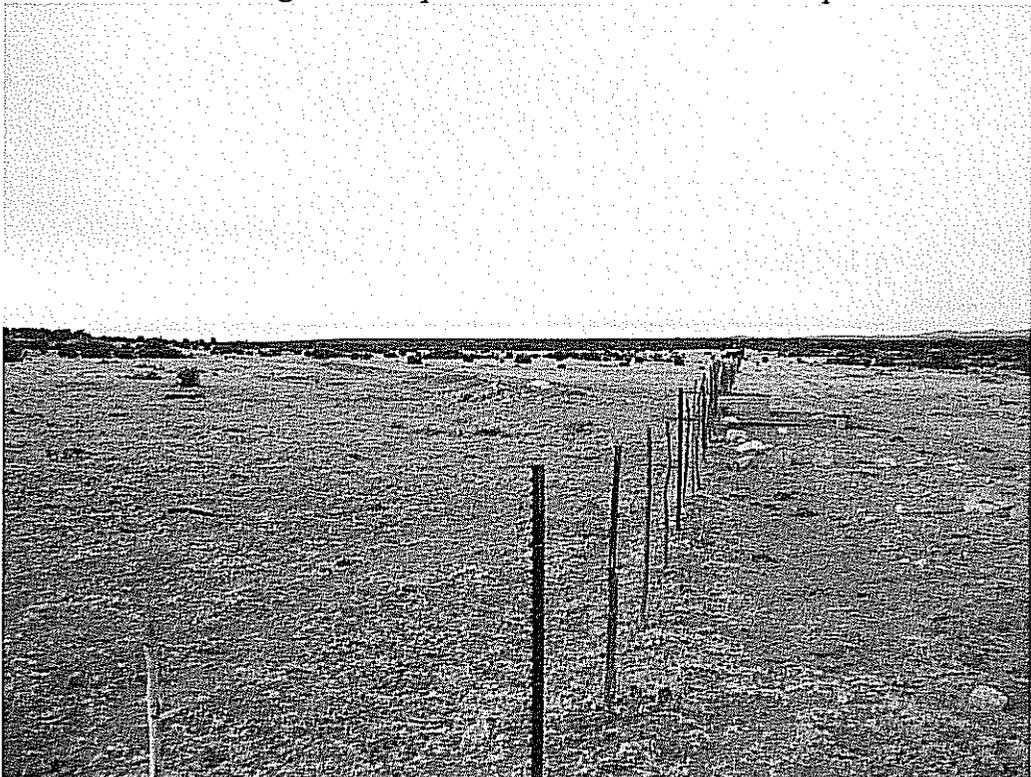
**PROJECT COMPLETION REPORT TO BE FILED BY:**

Ken Clay / Arizona Game and Fish

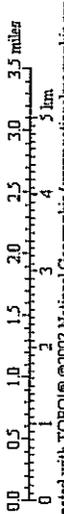
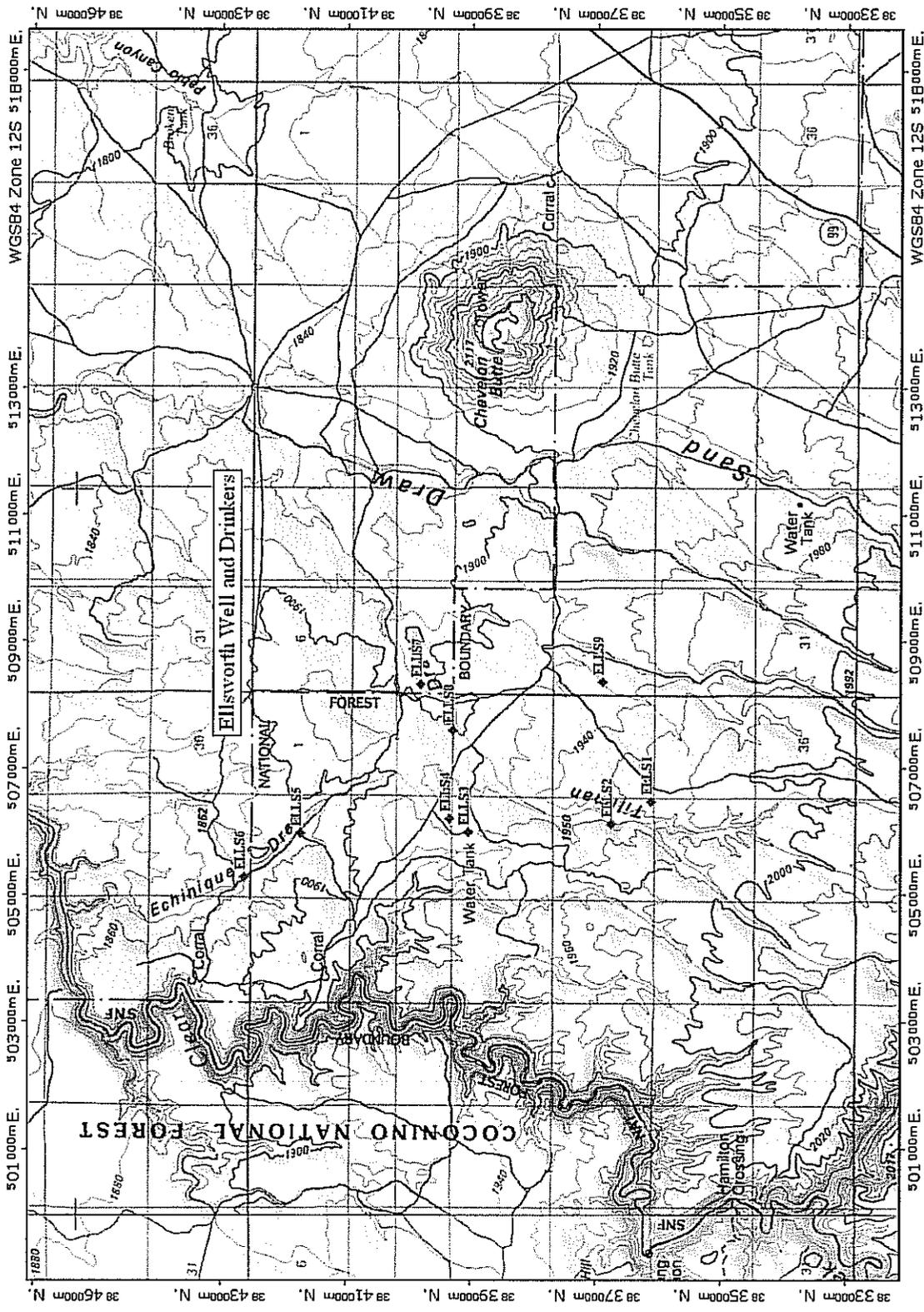
Figure 1. This is a photo of the Ellsworth well site. At this location sits the well, storage and a drinker that available to wildlife year-round



Figure 2. This Photo is of a drinker in grassland open. Marked ELLS4 on the map



TOPOI map printed on 02/27/07 from "ellsworth.topo"



Map created with TOPOI © 2003 National Geographic (www.nationalgeographic.com/topo)

TN 11° 45' N