

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

HPC Project Number:

20-106

**PROJECT INFORMATION**

<b>Project Title:</b>		Spur Lake Cattle Co. - Simpson Well Pipelines	
<b>Game Management Unit:</b>	1	<b>Region:</b>	1
<b>Local Habitat Partnership Committee (LHPC):</b>		<b>Was the project presented to the LHPC?</b>	
Springerville HPC		Yes by Nelson Shirley some last year	
<b>Project Location:</b> (Please provide <u>lat/long</u> in decimal degrees or meters of project area using datum WGS84 or NAD83. If project is larger than one point, please include them all. Provide an accompanying shapefile as an attachment for the project area).			
<b>LATITUDE/NORTHING:</b> 34.01609383 Simpson well and storage			
<b>LONGITUDE/EASTING:</b> -109.04714380 Simpson well and storage			
<b>MULTIPLE LOCATION COORDINATES:</b> Please separate coordinate pairs with names & commas. (ex. Bob's Tank 34.365, -110.663. Clear Spring 34.55, -110.107, etc.): Simpson well drinker 34.01600712, -109.04675703, west Simpson well drinker 34.01773090, -109.05745715, Towser drinker 34.03030398, -109.05146739, Simpson north drinker 34.04061456, -109.05210625, middle Simpson proposed storage 34.02347137, -109.05102094.			
<b>Project Type:</b>	Solar well expansion and pipeline development		
<b>Water Project Action</b> (if applicable):	Add additional storage, drinkers, and pipeline to Simpson Well		
<b>Habitat Restoration Action</b> (if applicable):			
<b>Other Project Type and Action</b> (if applicable):			
<b>Has this project been submitted in previous years?</b>	Yes 2019 and 2018, compliance wasn't ready.		
<b>PROJECT SUMMARY</b>			
Describe the proposed action only. Please use plain English, what action are you proposing? (If applicable, please reference any completed compliance including EAC#).			
<b>Brief Project Summary:</b> Install pipeline from Simpson well storage to drinker 0.69 miles west. Install an additional pipeline 1.85 miles north of Simpson well to assist an existing spring fed drinker and add an additional drinker. Additional storage will be added along north pipeline. There are additional existing drinkers at Simpson well and at Towser spring (this drinker is in disrepair and will be replaced) that will also be supplied water due to this pipeline. This makes a total of 4 drinkers along 2.55 miles of pipeline that will be supplied by Simpson well with 14500 gallons of storage in addition to the storage supplied by 2" SDR11 high density poly-pipe. This project will provide year round wildlife friendly water along the state line east of Ata-Mesa on US Forest Service lands.			
<b>Primary Big Game Wildlife Species to Benefit:</b>	Elk, Deer, Bear, Turkey, and Pronghorn		
<b>Implementation Schedule</b> (Month/Day/Year)	<b>START DATE:</b> February 1 <sup>st</sup> , 2021	<b>COMPLETION DATE:</b> June 1 <sup>st</sup> , 2021	

## PROJECT FUNDING

Project Funding	Itemized Use of Funds
<p>*Qualifying Cost Share should be restricted to support (materials, compliance, and or labor) of the proposed action ONLY (same time and place). Please do not include previously purchased supplies or past completed work.</p>	<p>Please email separate quotes if HPC funds are to be used to purchase materials or contracted labor: <a href="mailto:HPC@azgfd.gov">HPC@azgfd.gov</a>.</p>
<p><u>HPC Funds Requested</u></p> <p><b>Amount: \$22,050</b></p>	<p>HPC is being asked for: Modified solar panel rack (\$300), 10,000 gal storage tank (\$4,000), 3-12 ft. tire drinkers (\$3000), 2.55 miles of 2" poly-pipeline (\$13,500), pitless well modification (\$1250).</p>
<p><u>Cost Share or Matching Funds</u></p> <p><b>Amount: \$24,450</b></p>	<p>Spur Lake Cattle Co. will provide: pipeline installation (\$13,500), 4 solar panels (\$1000), tire and storage freight (\$900), pipeline and drinker fittings and valves (\$750), install drinker and purchase cement (\$2000), install storage (\$1500), pipeline tie in intersections (\$2500).</p>
<p><u>Percent Match</u></p> <p><b>53% or 2.1:1</b></p>	
<p><u>Total Project Cost</u></p> <p><b>Amount: \$ 46,500</b></p>	<p>USFS Conducted Archeological Surveys Spring of 2019: Approx.. \$2,300.</p>

## ENVIRONMENTAL COMPLIANCE

Please indicate the status of the Project's compliance. if you are unsure, please reference:

HPC Compliance Checklist (<https://www.azgfd.com/wildlife/hpc/forms/>).

If you have questions regarding the requirement of an EAC, contact AGFD's Project Evaluation Program:

(<https://www.azgfd.com/wildlife/planning/projevalprogram/>).

\*\*\*Please email supporting compliance documents to [HPC@azgfd.gov](mailto:HPC@azgfd.gov) \*\*\*

<b>AGFD EA Checklist Completed:</b>	N/A	<b>Completion Date:</b>	N/A
<b>NEPA Completed:</b>	Yes	<b>Completion Date:</b>	August 2 <sup>nd</sup> , 2017
<b>State Historic Preservation Office/ Archaeological Clearance:</b>	Conducted by USFS	<b>Completion Date:</b>	Survey paid for and conducted by Paleowest Archaeology who was contracted to conduct the survey Spring of 2019, report status was provided as supporting documentation for the West Escudilla project proposal, USFS meeting scheduled for Sept. 3rd, 2020 with USFS archaeologist and district supervisor for final project approval. Surveys and reporting has been conducted by contactor and paid for by USFS.

## CONTACT INFORMATION

### Applicant

The project applicant is the responsible party for seeing the work through to completion.

APPLICANT NAME: ██████████

PHONE: ██████████

ORGANIZATION: Spur Lake Cattle Co.

EMAIL: ██████████

ADDRESS: ██████████

### AGFD Project Proponent

The Project Proponent is responsible for compliance, implementation, and annual/final reporting requirements.

AGFD CONTACT NAME: James Eddy (J.D.)

PHONE: 928-308-3330

### Cooperators

#### COOPERATOR NAME(S), ORGANIZATION, ROLE IN PROJECT:

Arizona Game and Fish LRP: Technical assistance in development of project proposal.

Spur Lake Cattle Co.: Purchase of supplies and contracting of project objectives.

AZGFD Habitat Partnership Committee: Provide funding in the amount of \$22,050 for purchase of materials.

USDA Forest Service: provide project environmental compliance and conducted archeological surveys.

## PROJECT NEED AND DESCRIPTION

Please use direct language: why is this project important? What problem will be solved? How will you implement it, and how will the habitat be enhanced? Please include # of acres, methods, roles, and any phases. Please be specific and thorough.

### NEED STATEMENT – PROBLEM ANALYSIS:

Perennial wildlife waters in north-eastern hunt unit 1 are scarce. Ata-Mesa and the upper Coyote Creek canyon create a natural barrier causing further difficulty for wildlife get to permanent water sources. This project will repair and expand on the only permanent year round water source for wildlife east of the upper Coyote Creek canyon and north of the H-V reservoir located on private lands. This will also provide water for wildlife coming from the New Mexico side of the state line where water is also sporadic.

The AZGFD's MFA for Unit 1 states the following about elk habitat within the project area:

*Priority 1 Issue:* In Arizona, water has and will always be a key component and worry for wildlife populations. While unit 1 has more permanent water sources than some of the more arid portions of the state, it can still be a limiting factor. This is especially apparent in the northern portion of unit 1. This area holds populations of elk, deer, pronghorn and turkey.

*Actions:*

- Work with Forest Service permit holders to determine areas where waters can be improved to benefit wildlife.
- Assess areas that new water projects can be developed for deer, elk and pronghorn use in more arid portions of northern unit 1.

This project will meet both action items of this MFA priority and will further help develop a working relationship with the landowners and USFS permittees in the area.

**PROJECT DESCRIPTION AND STRATEGIES:**

Drinkers to be installed on top of native soils at historic watering sites, however, north most Simpsons drinker will be installed on top of native soils but is not a historic watering site. Pipelines to be installed with a dozer ripper and back hoe along the existing roads. Solar well modification to be conducted by Spur Lake for the addition of the needed solar panels and well modification to be conducted by quoted contractor. West Simpsons pipeline to be reinstalled along pre-existing pipeline footprint to drinker. North Simpsons pipeline to be dug along or next to existing road dependent upon USFS recommendations. An additional 10,000 gallon storage will be included along pipeline at the USFS gate to compensate for pressure and to provide additional storage to the existing 4500 gallons located at the well site. See map for storage, pipeline, well, and drinker locations and project design. Additionally, a natural spring with storage and drinker at the Towser site will be included in the system renovations and water production/storage.

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

United State Forest Service

**PROJECT MONITORING PLAN:**

James Eddy (J.D.) Region 1 LRP specialist will monitor project to completion with direction from the USFS and communication from Spur Lake Cattle Co.

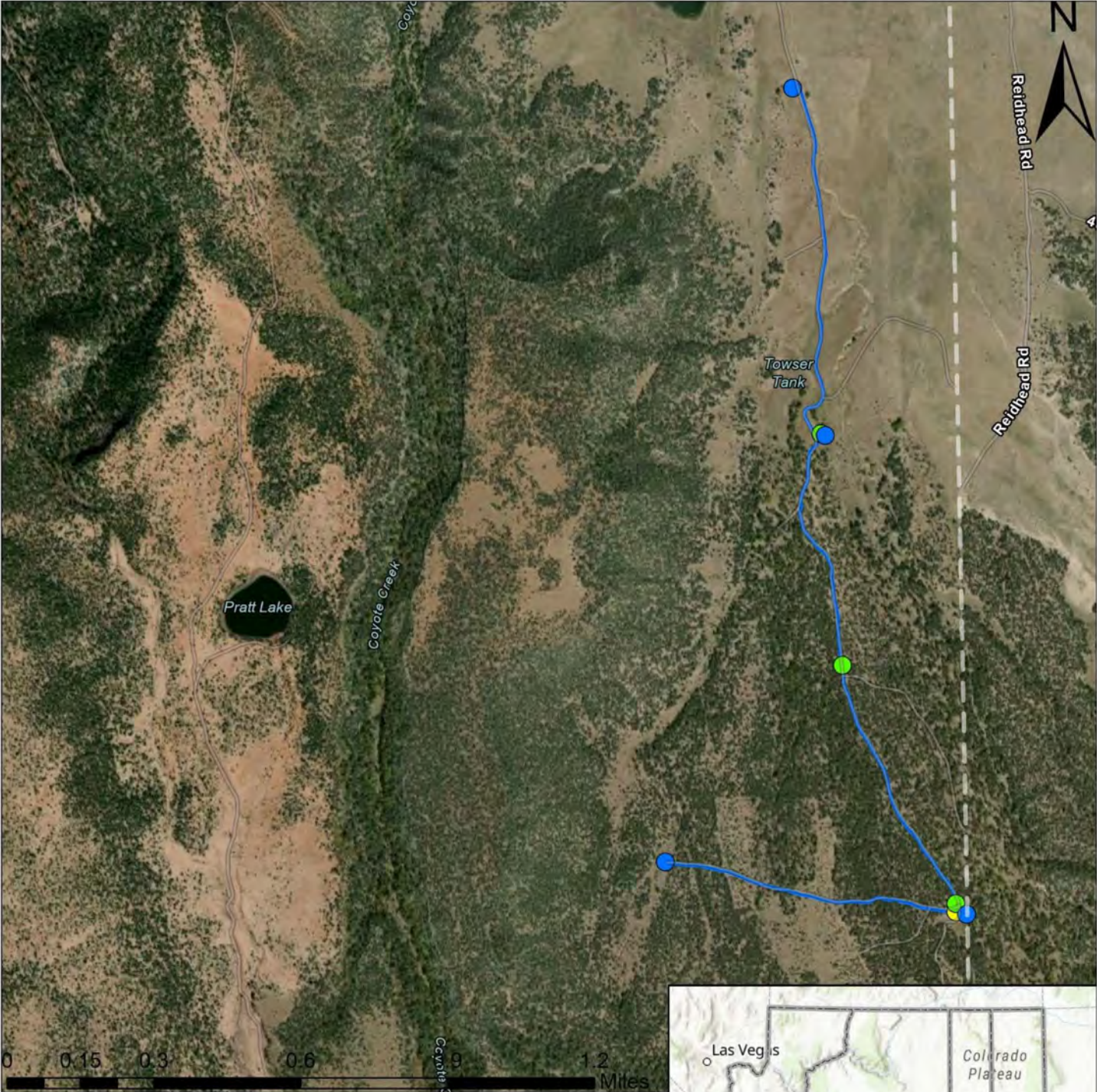
**PROJECT MAINTENANCE:**

Maintenance and long-term monitoring of infrastructure will be the responsibility of Spur Lake Cattle Co. the current Forest Service permittee. Year-round wildlife water will be guaranteed for a minimum of 5 years post project completion.

**PROJECT COMPLETION REPORT TO BE FILED BY:** James Eddy Region 1 LRP specialist

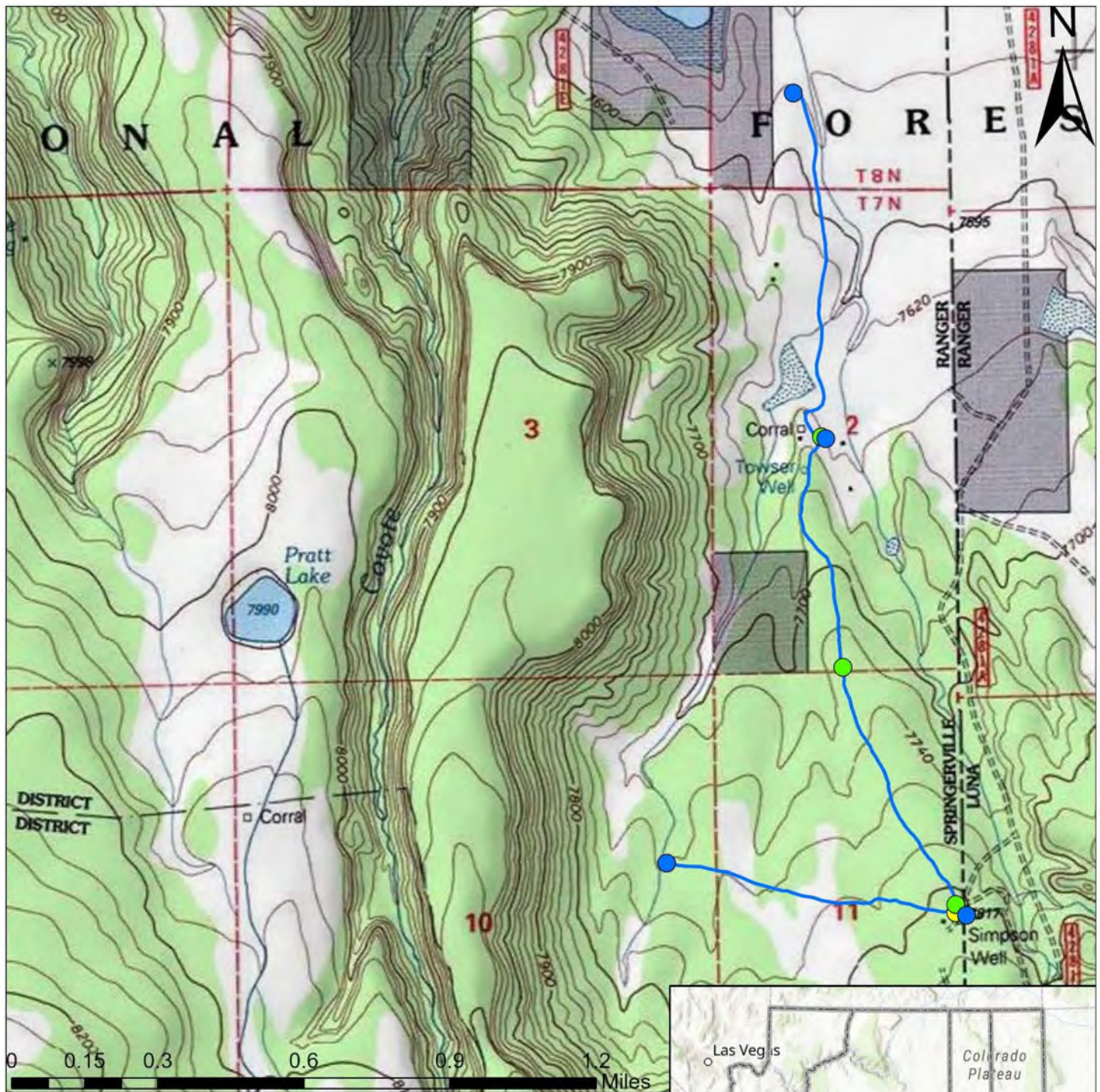
**SUPPORTING DOCUMENTS LIST:** maps, photos, pipeline quote, well modification quotes, tire drinker quote, storage tank quote.

**Have supporting documents been submitted?** Yes, all attachments included in the same email or attached to this application.



- Tire Drinkers
- Storage
- Simpson Well
- Pipeline





- Tire Drinkers
- Storage
- Simpson Well
- Pipeline



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

**PROJECT TITLE:** Spur Lake Cattle Co. - Simpson Well Pipelines

- 1) **Was a site visit completed (Date and with whom)?**  
Yes by James Eddy, LRP Specialist for Region 1 on 8/31/2018. Project developed for some time before site visits was conducted. Additional site visits have been conducted by multiple individuals with the next scheduled with USFS District Supervisor and Archeologist for Sept. 3<sup>rd</sup>, 2020 to finalize project and discuss final reporting measures required by USFS archeology department.
- 2) **If this is a dirt tank project, has the site historically held reliable water?**  
N/A
- 3) **If this is a dirt tank project and soil data is available, what type of soil is at the site?**  
N/A
- 4) **If this is a water catchment project, please list the Development Branch coordination date:**  
N/A
- 5) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**  
N/A
- 6) **If this is a water catchment project, please list the Development Branch personnel coordinated with:**  
N/A
- 7) **Is there a perennial water source available to big game within four miles of this project?**  
H-V Reservoir can contain water on a good rain year. Pratt lake is within four miles in a straight line on the map but is inaccessible by wildlife without making more than a 4 mile trip across or around Coyote Creek Canyon. Coyote Creek itself has been dry following snow melt most years since project development.