

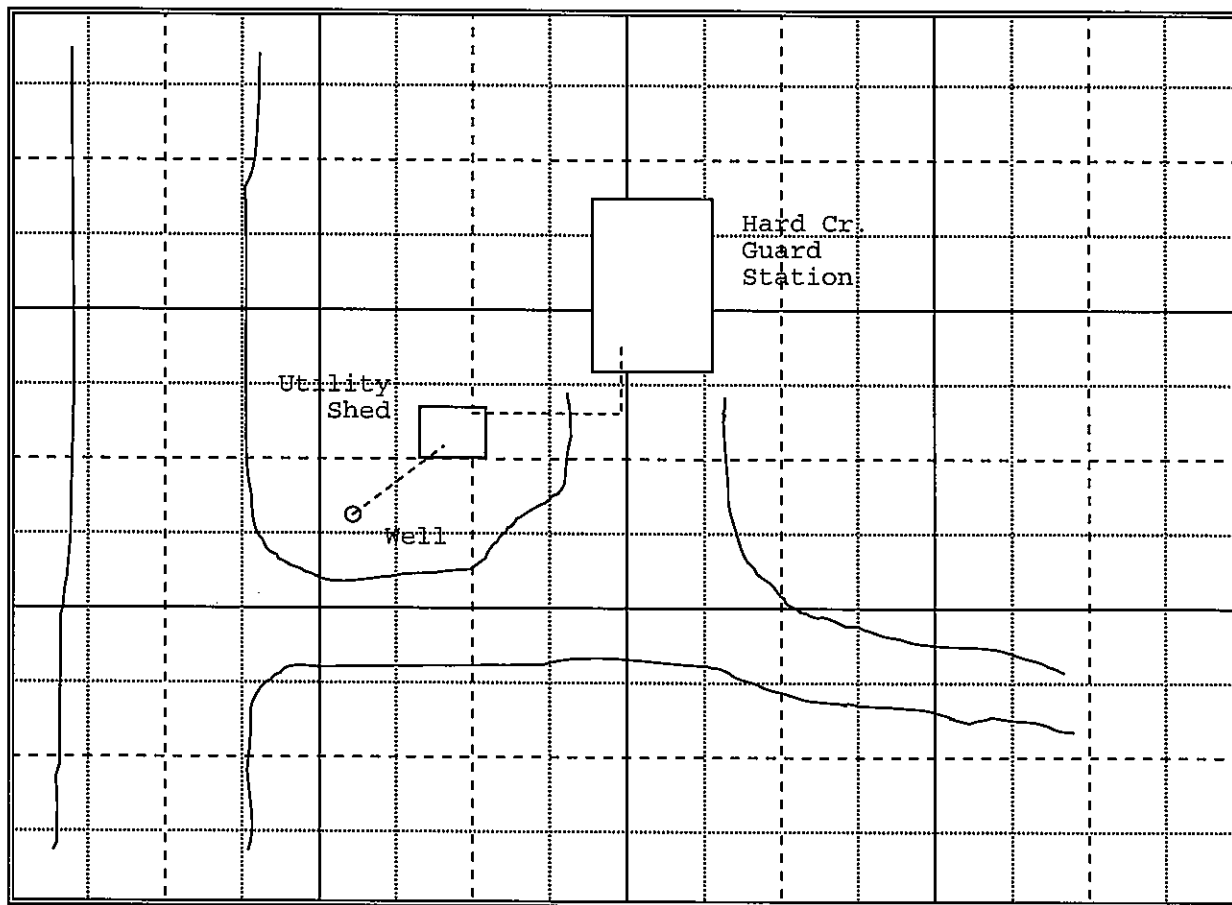
Permit No. 78-12208

3. Source: Groundwater tributary to N/A

2. Other water rights with the same point of diversion: N/A

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = NTS

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☒ Aerial Photo Attached (required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Metal Tag NO. D0029748					

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A						

2. Measurements: N/A

E. NARRATIVE/REMARKS/COMMENTS

The well has a submersible pump that is powered by a generator and battery array that is located in an adjacent utility shed. The well supplies an 81 gallon "Well-X-Troll" pressure tank, that according to the USFS SOP manual for the Guard Station, was set to operate between 30-50 psi. At the time of the flow test the pressure was 30 psi. From the pump house the water is supplied to a hose bid on the outside of the building and to the Guard Station for inside use only.

Have conditions of permit approval been met? ☒ yes ☐ no



POD, Hard Creek GS Well



Well w/ GS in background.



Hard Creek GS Utility Shed



Generator and batteries in Utility Shed.



Well pressure tank in Utility Shed.



POU, Hard Creek Guard Station

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Bucket Fill Method

$$Q = 64 \text{ ounces/5 sec} = 0.5 \text{ gallons/5 sec} = (0.1 \text{ gal/sec})(1/7.48) = 0.013 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$$

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

2. Volume Calculations for Other Uses: Domestic Use Single Home Inside Only = 0.6 ac-ft/year

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
	05/01	10/31	0.01	0.6

Totals: 0.01 0.6

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 Mathew Weaver Date: August 27, 2008

Reviewer _____ Date _____

SEAL

78-12208 HARD CR. G.S.

7-10-08 FIELD EXAM

POD WELL INWR MT#

D0029748

N 45-10.702

W 116-10.123

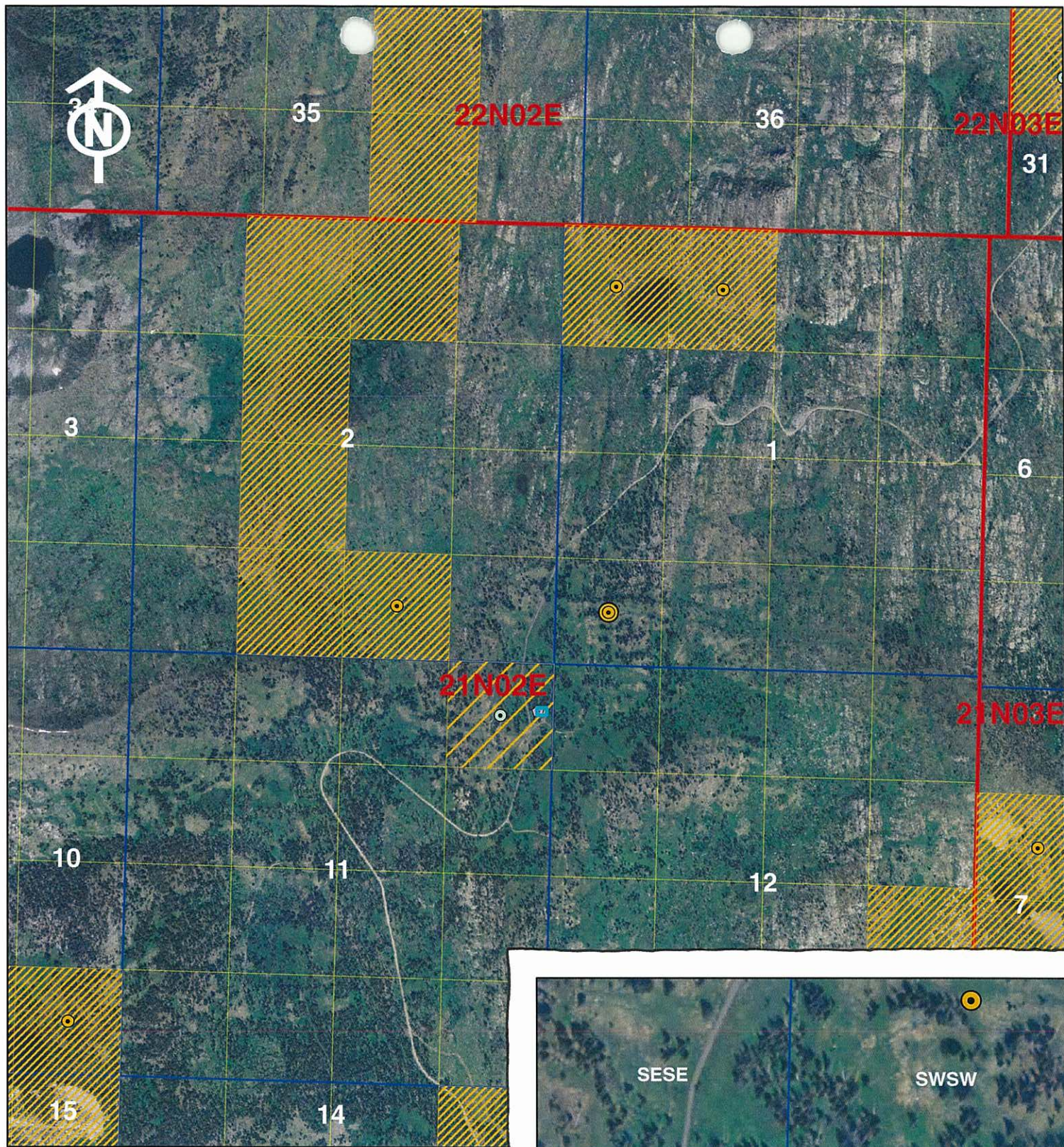
E 7097.

POU: Pump House, GUARD STATION

NOTES: 12EN MTS SUBMERSIBLE
PUMP TRAY IS RUN BY
BATTERIES & GENERATOR

PRESSURE TANK OPERATES
BETWEEN 30-50 PSI
@ 30 PSI.

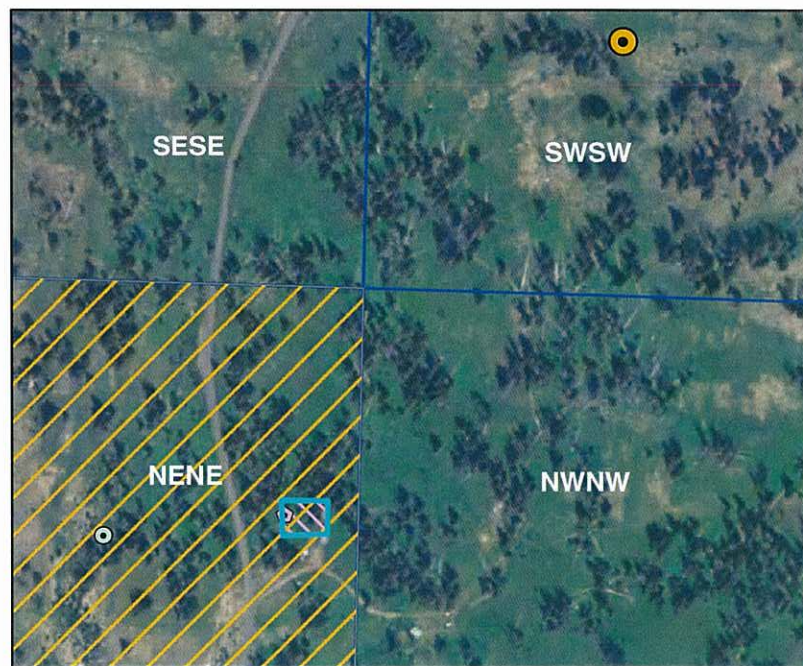
Q = 64 GZ / 5 SEC.
0.5 GAL / 5 SEC
0.013 CFS

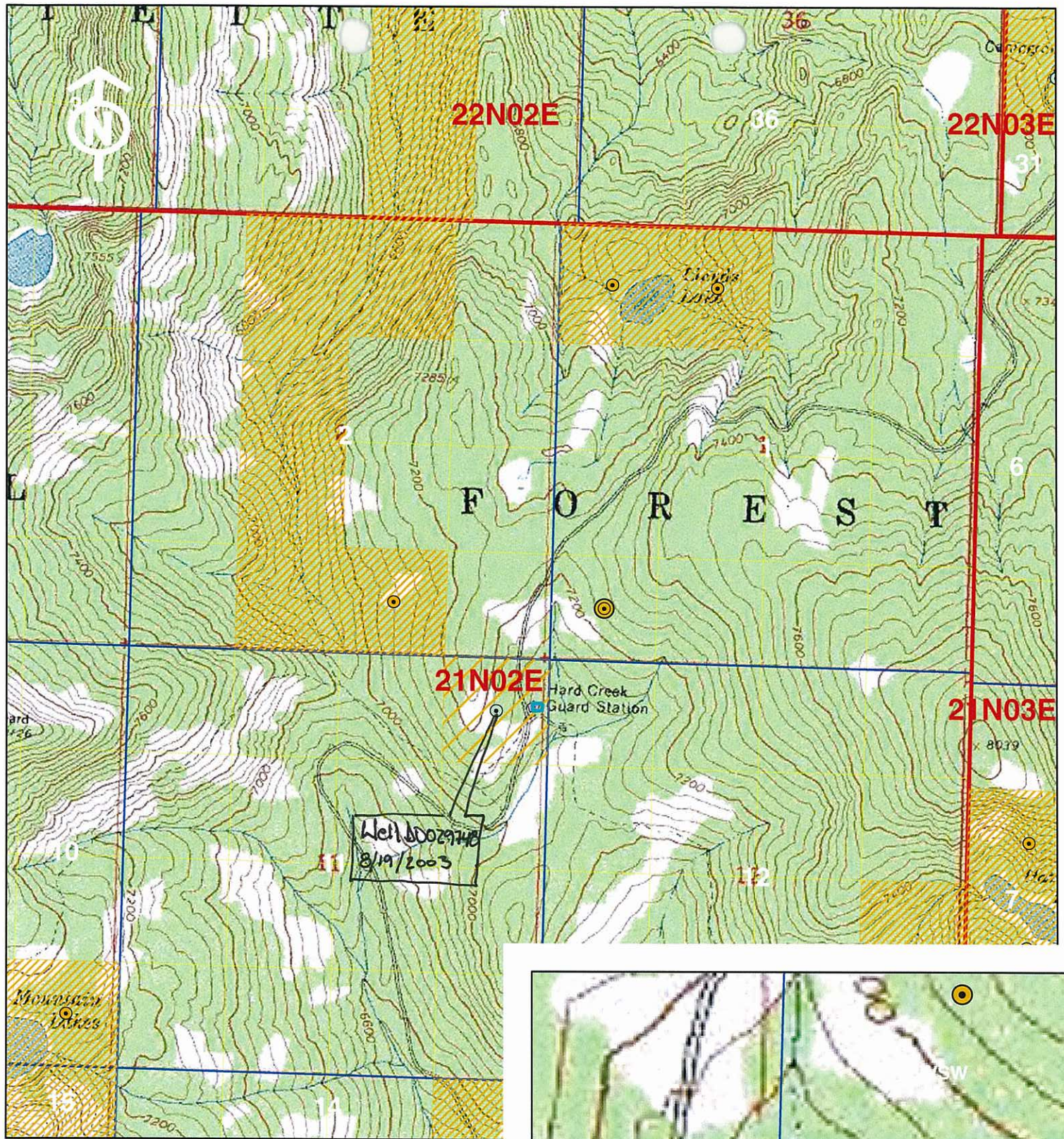


Legend

- | | |
|--------------------|-----------------|
| ⊙ Wells | WR 78-10575 POU |
| ⊙ Active Right POD | Permit POU |
| ⊙ WR 78-10575 POD | Township/Range |
| ⊙ Permit POD | Sections |
| Active Right POU | QQ |

78-12208 FE Exhibit Map





Legend

- Wells
- Active Right POD
- WR 78-10575 POD
- ◇ Permit POD
- ▨ Active Right POU
- ▨ WR 78-10575 POU
- ▨ Permit POU
- ▭ Township/Range
- ▭ Sections
- ▭ QQ

78-12208 FE Exhibit Map

