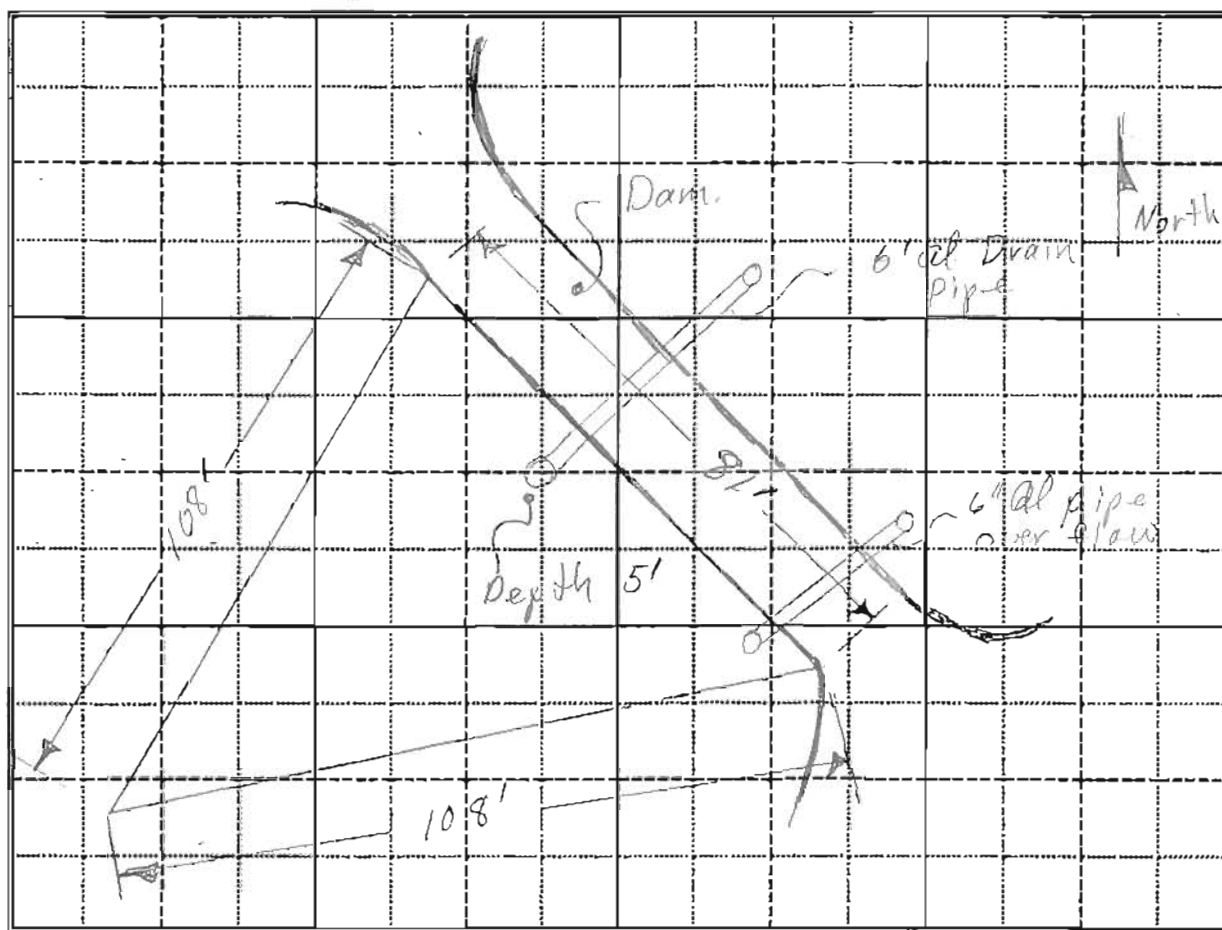


[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.D. as appropriate.



Scale: 1" = _____

____ 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

*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

2. Measurements:

dam on an UNNAMED STREAM

E. NARRATIVE/REMARKS COMMENTS

The depth of the storage is 5 feet at the Drain line. The average depth is approx 3 ft. The capacity of the pond is .60 Af. There are no valves in the system. Filling of the pond is accomplished by placing a board over the Drain line. The spring begins less than 100 yards up the Draw to the South.

UNNAMED STREAM is dammed

STOCKWATER USE - 20 CATTLE AND HORSES

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

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

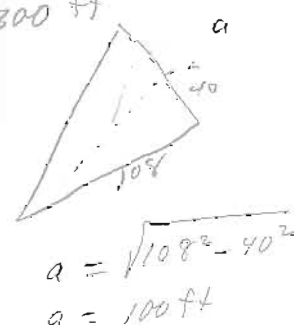
$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

Surface area $81 \text{ ft} \times 100' = 8100 \text{ ft}^2 \times 3 \text{ ft depth} = 24300 \text{ ft}^3$
 $(24300 \text{ ft}^3) \left(\frac{1 \text{ af}}{43560 \text{ ft}^2} \right) = .601 \text{ Af.}$

stockwater - 20 cattle and horses



H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Storage for Recreation	1/1	12/31		.60 AF/A
Recreation storage	1/1	12/31		.60 AF/A
stockwater storage	1/1	12/31		.60 AF/A
stockwater from storage	1/1	12/31		.60 AF/A
Totals:				0.60 AF

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 ADD STOCKWATER

I. AUTHENTICATION

Field Examiner's Name Lee L. Simmons Date 7/15/19

Reviewer DAVE CARLSON Date 9/2/2002

SEAL

29-7845
4684

Spring

Borrow
Pit

POND

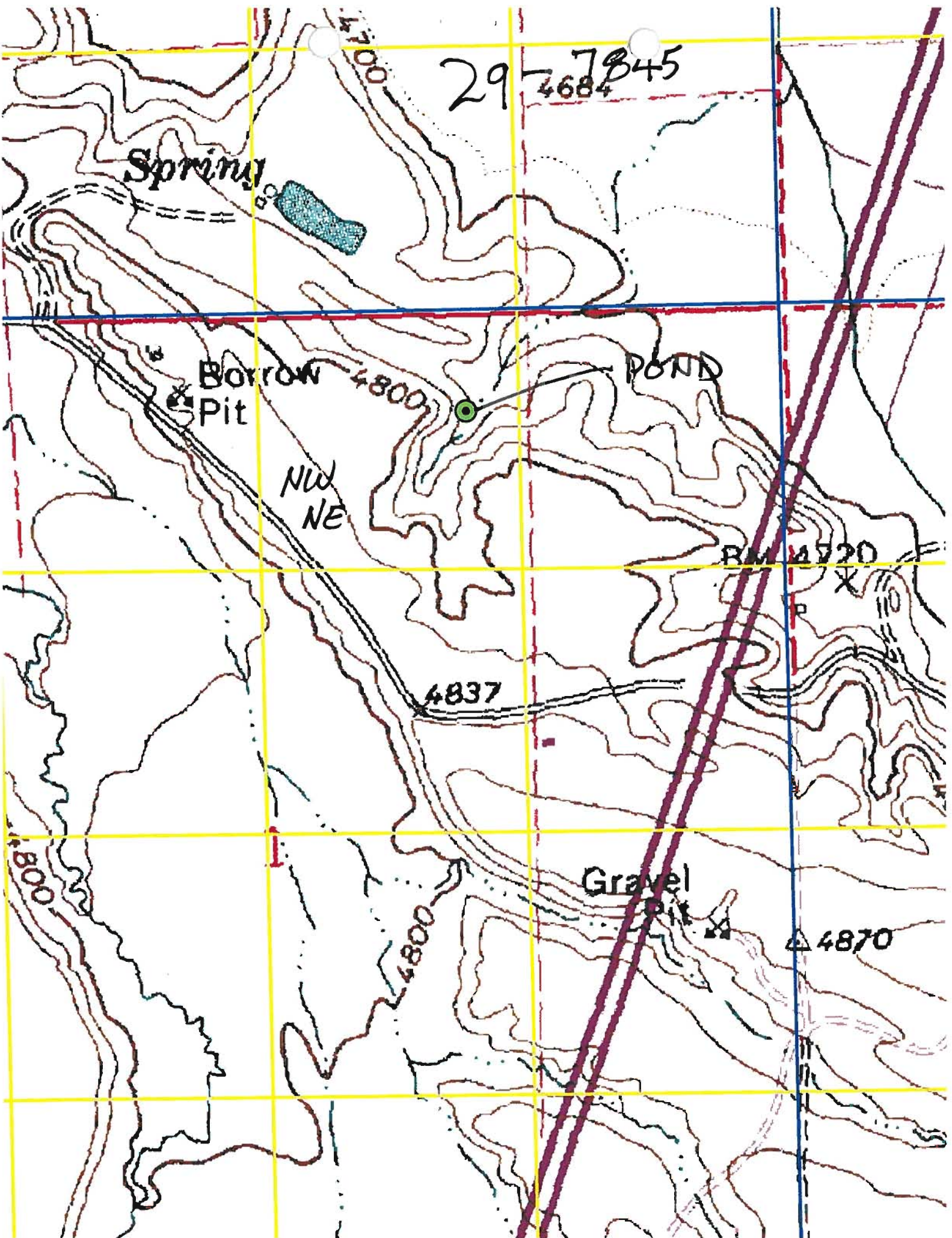
NW
NE

BM 4720

4837

Gravel
Pit

4870





looking North at Dam - showing drain and
over flow locations -



outlet at Drain line.

Permit #
29-7845



Looking South at Spring Head



Looking North where Spring enters pond

Permit #
29-7845

