

ION
IN THE
OF

Department of War: 343
Phone: 624-3343
Eastern District: _____

- Permit No. 22-7035
Examination for b/u

- Max Rate of Diversion 6 cubic feet per second and annual volume _____ AF/Annum.

- Township 7N N/S, Range 41E E/W, B.M., Section 13, Subdivision NE $\frac{1}{4}$ SW $\frac{1}{4}$, Fremont County
- Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, _____ County
- Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, _____ County

Other Points of Diversions:

6. Lands to be irrigated or place of use.

TOTAL ACREAGE 320

Rge - 41E

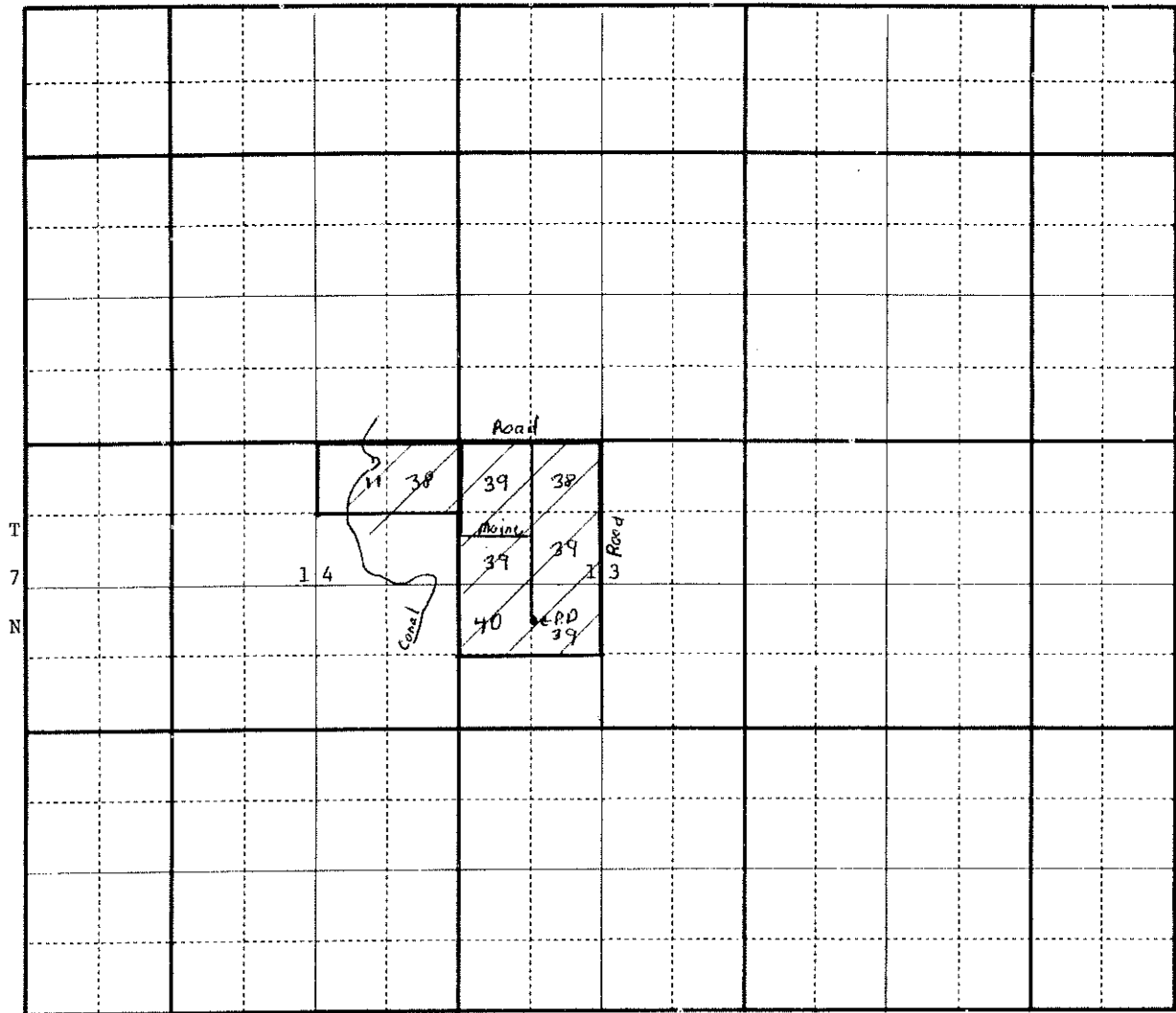
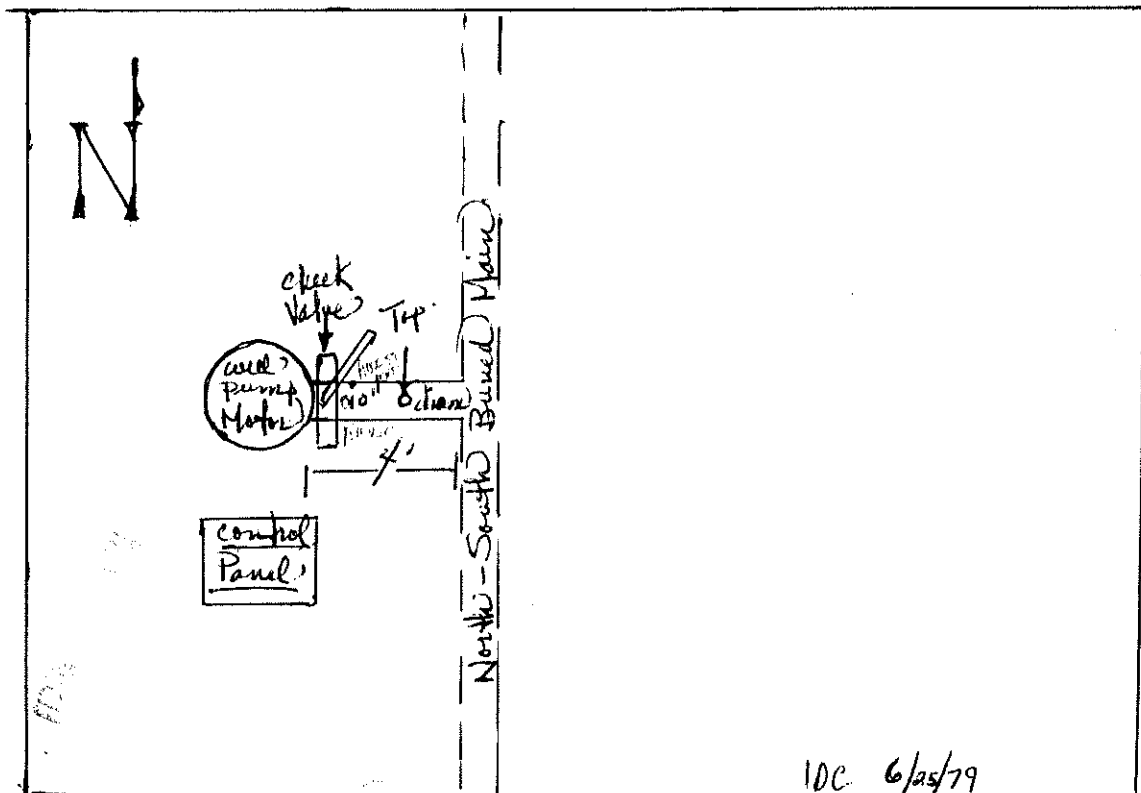


Diagram of System



10C 6/25/79

DATE OF EXAM 6/25/79

ACREAGE
Found 282 Ac ✓
Recommended 282 Ac ✓

Irrigation Requirement 3.5 Ac Ft/Ac

USE
Irrigation Q = 2.6 c.f.s. V = 987 AF/Ann. from April 1 to Oct. 15
Domestic Q = _____ c.f.s. V = _____ AF/Ann. from _____ to _____
Livestock Q = _____ c.f.s. V = _____ AF/Ann. from _____ to _____

Is water co-mingled? yes _____ no X

Name source: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Exchange? yes _____ no X

Name source exchanged with: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Point of injection: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Point of exchange: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 _____ County _____

Total Q measured 2.60 cfs Method of measurement Annubar

Total Q recommended 2.60 cfs Meter No. 1007 Type Annubar Condition new

Total V recommended 987 AF/Ann.

Recommended Amendments:

P.D. _____
Place of Use _____
Other _____
None

MEASUREMENT CALCULATION:

$(\text{inside dia./pipe})^2 (3.85) \text{ ring MOD} = (10)^2 (3.85) / 9.2 = 116.79 \text{ gpm.}$ capacity 2.60 cfs

$3.5 \text{ cfs/Ac} \times 282 \text{ Ac} = 987$ $2.60 \text{ cfs} \times 1.9835 \text{ cfs/Ac} \times 198 \text{ days} = 1021$

SYSTEM DESCRIPTION:

Water is diverted by a General Electric Tri-Clad Induction motor, 350 HP. Mtr - 5K6317XC220A, 3 ph
3/4" - EDI-522001 and by a Layne & Bowler pump, 2200 gpm rating, Mtr 014 RM, S/N - D16340
8 1/4 mile sand line.

REMARKS:

System described by Plant Amendment
No conflicting groundwater rights

Examiner's Signature John D. Carlson Date 2/28/80

Checked by Anthony R. Kefauver Date 2/29/80

Approved by Rolpo Date 3/25/81

N-2-W

