

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9085

Exam Date: 8/29/2007

1. Current Owner: M B BUILDERS INC
5338 E SHIRE LN
HAYDEN ID 83835

And/Or

4 S RANCH
5338 E SHIRE LN
HAYDEN ID 83835
(208)772-1902

2. Accompanied by: BUCK JOHNSTON

Phone No: 208-762-3019

Address: 5491 E SHIRE LANE HAYDEN ID 83835

Relationship to Permit Holder: AGENT FOR 4-S RANCH

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NE1/4NW1/4	Sec. 33,	Twp 52N,	Rge 03W, B.M.
KOOTENAI County				
GROUND WATER	SE1/4SE1/4	Sec. 33,	Twp 52N,	Rge 03W, B.M.
KOOTENAI County				
GROUND WATER	NE1/4NW1/4	Sec. 33,	Twp 52N,	Rge 03W, B.M.
KOOTENAI County				

Method of Determination: *GPS*

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
52N 03W 28									X			X					
52N 03W 33					X	X											

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
52N 03W 28								2.0				2.0					4.0
52N 03W 33					2.0	1.5											3.5

Total Acres: 7.5

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

Well or Diversion

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
95-94N-80	u/k	2	u/k	u/k	
95-93-N-229	u/k	1	u/k	u/k	
D0013421	u/k	5	u/k	u/k	

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment

<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

Well # 1 = 0.065 cfs
 Well # 2 = 0.029 cfs
 Well # 3 = 0.079 cfs
 TOTAL 0.173 cfs

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No.				WELL#1 95-9085	(95-94N-80)	
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	2	190.6463	0.7	75	50
Q = 0.065 cfs		29.1 gpm				

PUMP EQUATIONS WATER RIGHT No.			WELL # 2 (95-93N- 229) 95-9085		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	1	245.6463	0.8	130	50
Q = 0.029 cfs 12.9 gpm					

PUMP EQUATIONS WATER RIGHT No.			WELL #3 (DOO13421) 95-9085		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	5	388.7755	0.7	250	60
Q = 0.079 cfs 35.6 gpm					

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 7.5 \times 3 = 22.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.178 \times 246 \times 1.9835 = 84.4 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 22.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$I.R.R. = 22.5 \text{ AF}$$

$$\text{Domestic} = .6 \times 9 \text{ phases} = 5.4 \text{ AF}$$

$$\text{TOTAL Volume} = 27.9 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.140 CFS	5.40 AF
IRRIGATION	03/15 to 11/15	0.150 CFS	22.50 AF
<u>Totals:</u>		0.150 CFS	27.90 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

I. AUTHENTICATION

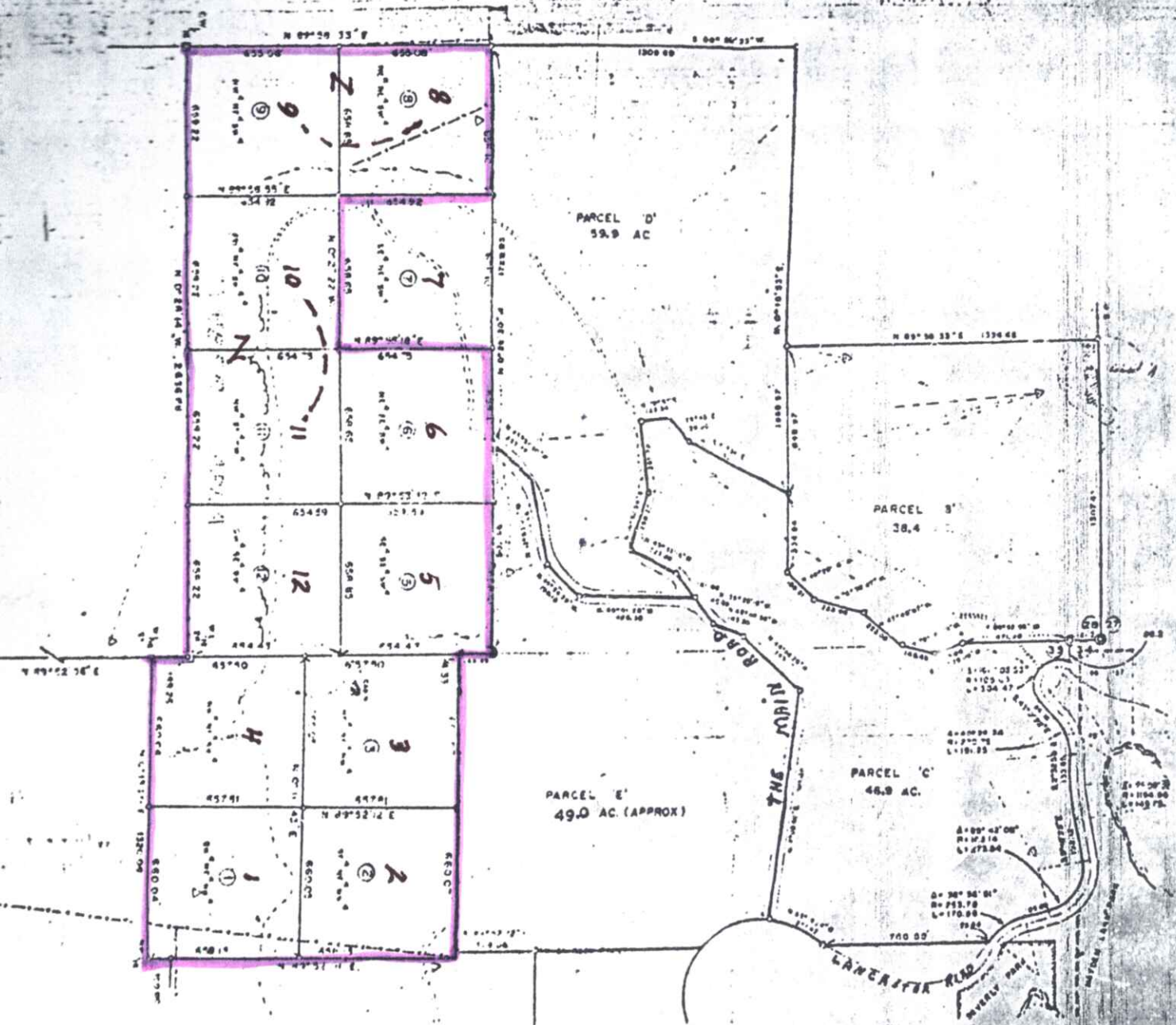
Field Examiner's Name [Signature] Date 1-8-2008

Reviewer [Signature] Date 2/12/8

95-9085
RECEIVED
JAN 22 2000
DWR/Noth

Exhibit (C)

SECTION 28, T. 52 N., R. 3 W., B.M., KOOTENAI COUNTY, IDAHO
33





95-93-N-229.JPG

*WEST
WELL*



95-94-N-80.JPG



D0013421.JPG



HOME_1.JPG



HOME_2.JPG



HOME_3.JPG



HOME_4.JPG



HOME_5.JPG



HOME_6.JPG



HOME_7.JPG



HOME_8.JPG



HOME_9.JPG



IMG_0393.JPG

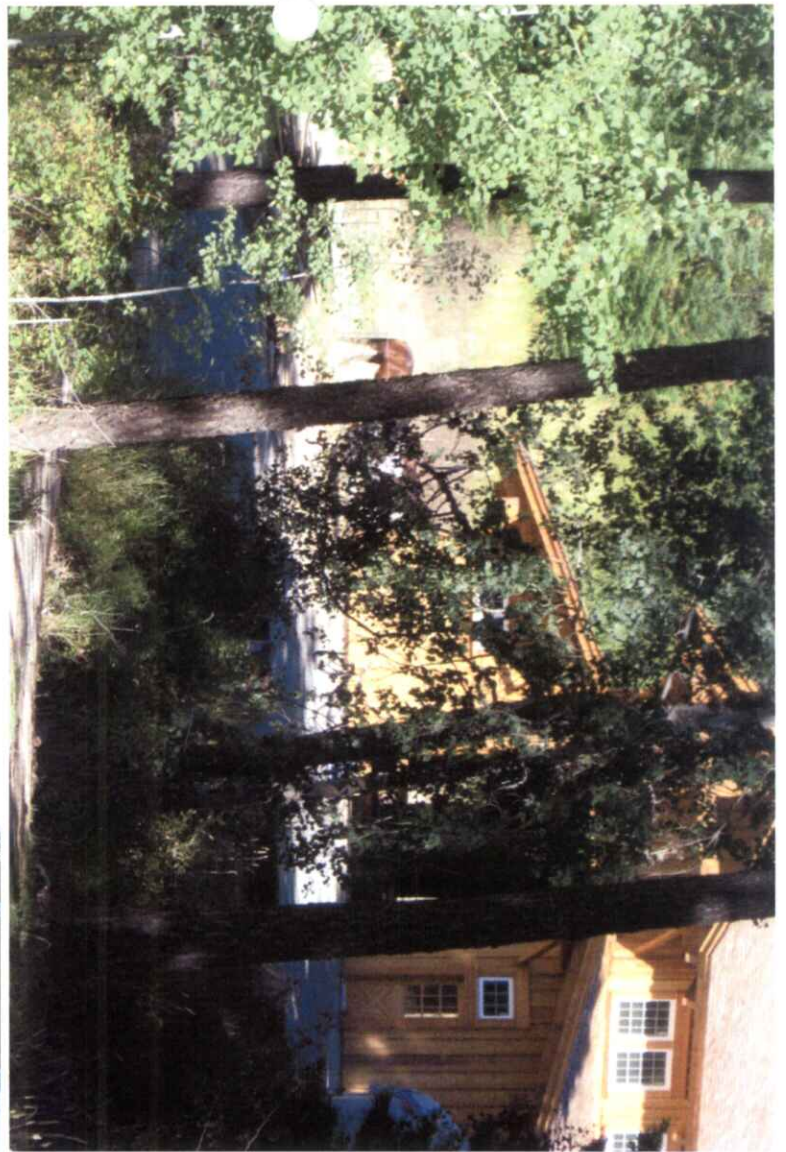


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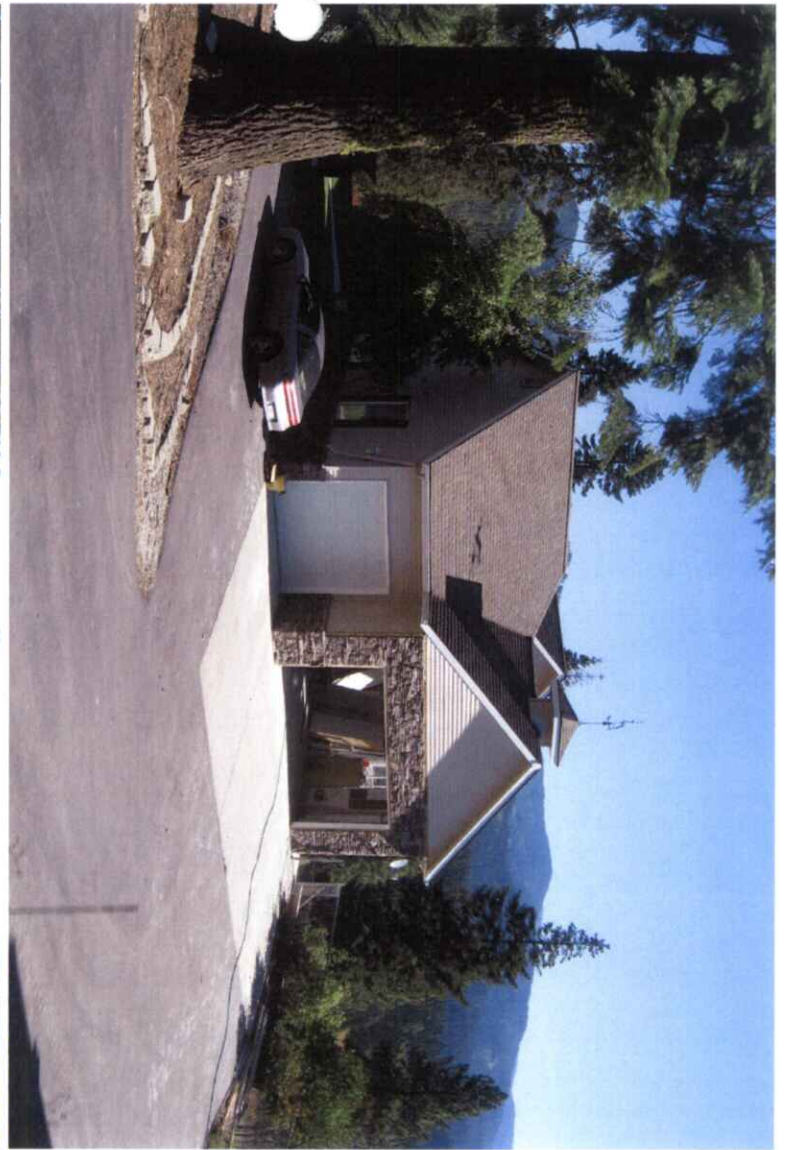
WATER TANK.JPG

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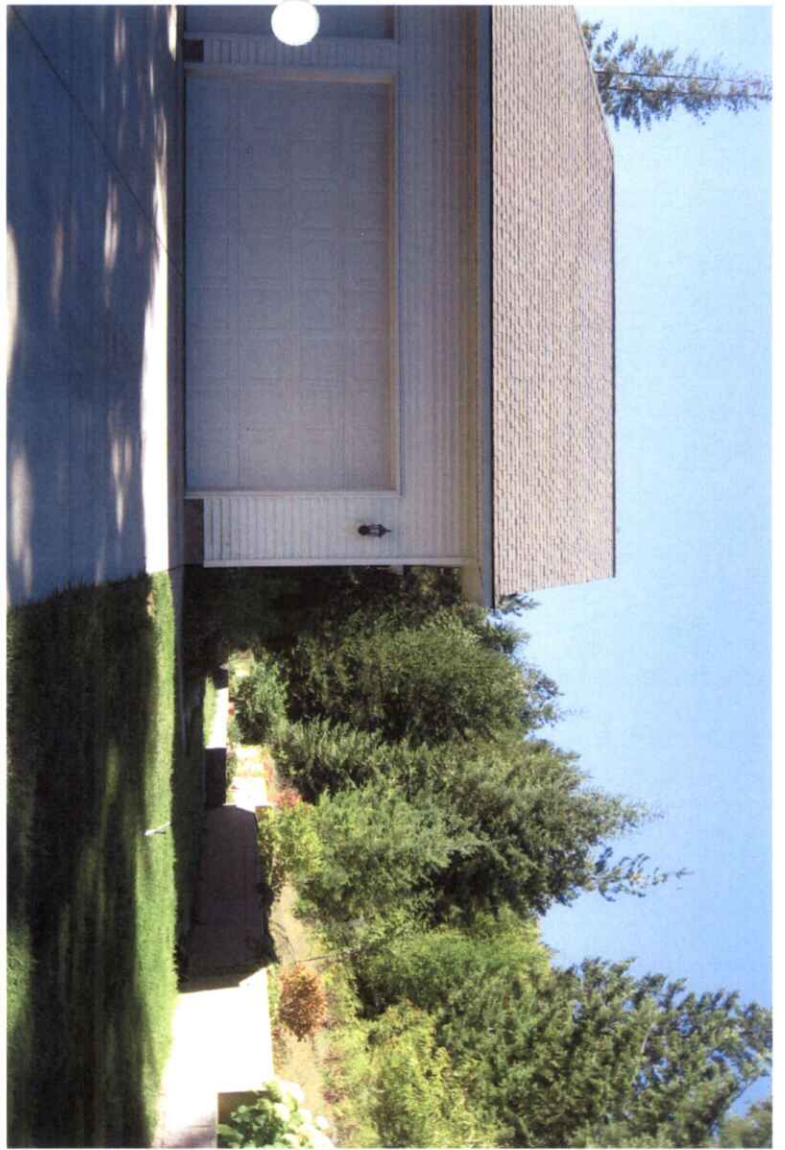
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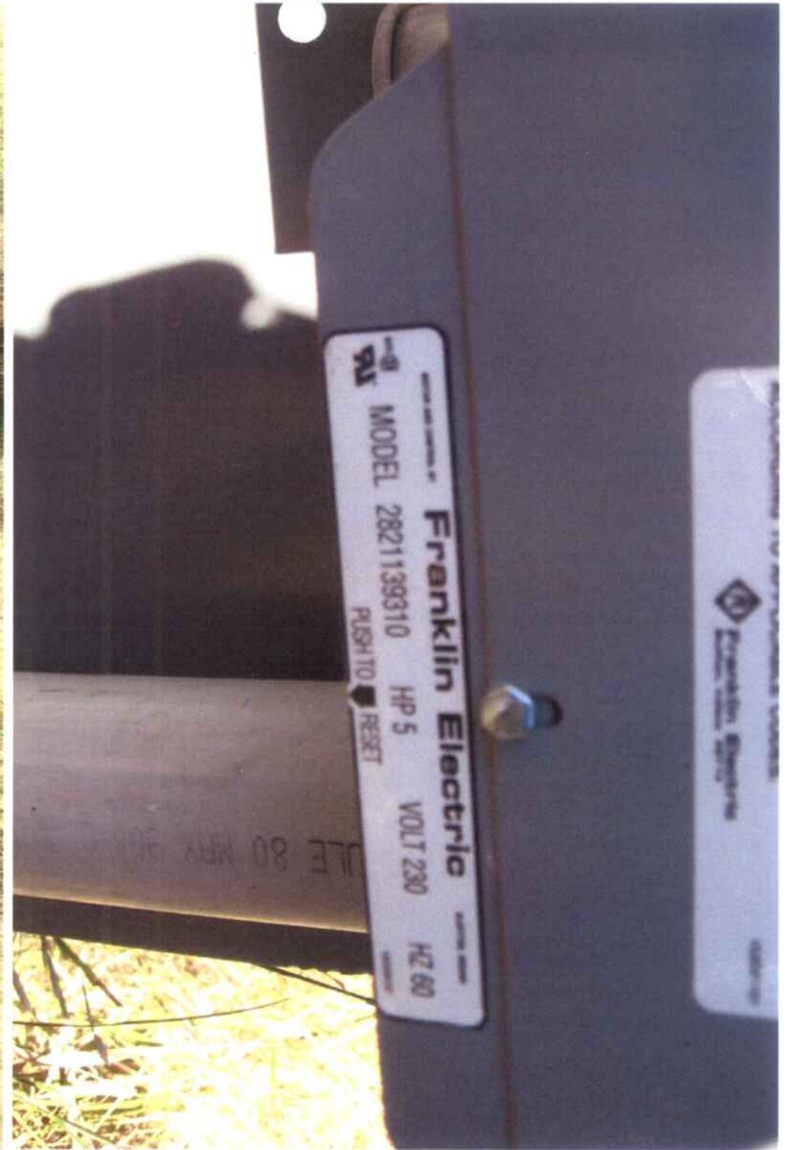
96 - 9085





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