

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

AUG 30 1996

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 47-08011A

1. Owner: Loughmiller Inc. Phone No. (208) 733-5761

Current Address: 3170 Highway 93 Twin Falls, Idaho 83301

2. Accompanied by: Bill Loughmiller EXAM DATE : 6-11-96

Address: (same as owners) Phone No. (208) 733-5761

Relationship to Permit Holder: OWNER MANAGER

3. Source: GROUNDWATER tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Salmon River Canal Co. covers all 160 acres covered under this permit (water right number A47-00010Z1)

2. Other water rights with the same point of diversion: Permit number 47-08238

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge	County	Method of Determination/Remarks
#1		S E	S E	S E	12	12S	16E	TWIN FALLS	VISUAL INSPECTION AND USING AERIAL PHOTOS.
#2		S E	S E	S E	12	12S	16E	TWIN FALLS	VISUAL INSPECTION AND USING AERIAL PHOTOS.

2. Place(s) of Use:

Indicate Method of Determination SEE ABOVE

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
12S	16E	13	40	40	40	40													160 AC

* please note that this permit is for 146 acres within the 160 acres of permissible place of use.

MICROFILMED

AUG 09 1999

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

SEE ATTACHED SHEET.

YES Copy of USGS Quadrangle Attached Showing location(s) of YES Aerial Photo Attached
YES Photo of Diversion and System Attached (required for irrigation of 10+ acres)
 point(s) of diversion and place(s) of use (required)

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
MOTOR #1 (WELL #2)	HIGHTHRUST	150 Hp	ID#C2684-01-11-1-74 84-13921	VERTI-LINE	ID# 95-73699 (TYPE 4CHC)
MOTOR #2 (WELL #2)	FRANKLIN STAY RIGHT	5 Hp	unknown	FRANKLIN STAYRIGHT	UNKNOWN
MOTOR #3 (REDIVERSON)	NEWMAN	75 Hp	405UP1DD372 2PBV1140815	LAYNE BOWLER	PUMP # 45039
MOTOR #4 (REDIVERSON)	US ELECTRICAL	75 Hp	HR1029545	VERTI-LINE	ID# V74-02151
MOTOR #5 (REDIVERSON)	GENERAL ELECTRIC TRICLAD	50 Hp	DSJ402290	LAYNE BOWLER	PUMP # 44973
MOTOR #6 (WELL FOR SECTION 12)	US ELECTRIC HIGH THRUST	200 Hp	ID # C1516-01-867 86-00346	VERTI-LINE	UNKNOWN

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

D. FLOW MEASUREMENTS

1.

Measureme nt Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Polysonic Portable flow Meter	Tyme Flyte	149744	TF*P	N7H5506		April, 1996

2. Measurements: SEE ATTACHED SHEETS

MICROFILMED

AUG 09 1993

E. NARRATIVE/REMARKS/COMMENTS

The water for this permit is pumped out of two wells. Well number 1 is located on in the SE 1/4 - SE 1/4 - SE 1/4 of section 12 in township 12S range 16E. Well number 2 is located in the SE 1/4 - SE 1/4 - SE 1/4 of section 12 in township 12S range 16E. The water from well number 1 is pumped into an open ditch which travels north along the eastern edge of section 12 for a half of a mile. At the half mile point it mingles with Salmon River Canal Co. (SRCC) water and travels west in an open ditch and discharges into pond number 1.

The water from well number 2 is piped underground to a hog barn in NE 1/4 - NW 1/4 of section number 13. The water in the hog barn is used to water and clean the pens of 2000 head of hogs. According to the allowable use of water per hog of 4 gallons of water per hog per day, the owners are under the 13000 gallons for domestic use by 5000 gallons per day. The waste water from this hog operation is then transported down a mainline traveling northeast to pond number 1 where it is used for irrigation.

The water in pond number 1 is used to irrigate the lands in section 12 and section 13. The water from another well (pump 6 well for section 12) located at the pond is discharged directly into the pond. The water for this well is designated for the lands in section 12 only. This pond is main point of rediversion for this irrigation system. The water from pond number 1 is drawn out by pump number 3 and pump number 4. The water is pumped into a mainline that irrigates all of section 12 and runs south to section 13.

The mainline from section 12 crosses the road in an underground mainline approximately a quarter of a mile west of the northeast corner of section 13. Once the mainline crosses the road, pump number 5 pumps SRCC water from pond number 2 into the mainline to maintain a line pressure of 80 psi for the hand lines. Pond number 2 is filled with SRCC water that enters the pond by open ditch which travels west from the northeast corner of section 13. The mainline then runs south to irrigate the 160 acres in the NE 1/4 of section 13. All of the lands irrigated in section 13 are irrigated by handlines.

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

B

MICROFILMED

AUG 03 1999

RECOMMENDATIONS REMARKS:

I recommend that this permit be licensed under the following conditions:

1. That this water right be used as supplemental water for the Salmon River Canal Co. (SRCC) water assigned to the place of use for this permit. The SRCC is an unreliable source of irrigation water for this farm. The SRCC often reduces the amount of water per share and usually begin delivering water between the second week of May and quits delivering water the last week in August. This prevents Loughmiller Inc. from irrigating through the entire season.
2. That this water only be used on a designated 146 acres within the 160 acres of permissible place of use. This will allow Loughmiller Inc. to manage their crop rotation to use this water to irrigate crops with a longer growing season without crop damage from an early shut off of the SRCC supplies of water. This will allow Loughmiller Inc. to irrigate water sensitive crops by supplementing reduced shares of SRCC water.
3. That this water right when combined with SRCC water or any other water rights do not exceed a total diversion rate of .02 cfs per acre or 584 afa of water per year.

MICROFILMED

APR 09 1993

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

WELL #1

Polysonic -- 798.592 gpm / 448.8 = 1.78 cfs (see attached sheet for polysonic readings)

WELL #2

theoretical 41.29 gpm / 448.8 = .092 cfs (see attached sheet for theoretical analysis)

TOTAL CFS 1.872 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 146 \text{ acres} \times 4.0 = 584 \text{ afa}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.87 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 793.76$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 584 \text{ afa (V i.r.)}$

B

2. Volume Calculations for Other Uses:

2000 head of hogs
X 4 gallons per day
8000 gallons of water

Please note:

whereas this is under 13000 gallons is under domestic use limit this use is not applicable.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume	
	From	To	Q (cfs)	V (afa)	
<u>IRRIGATION</u>		<u>April 1</u>	<u>Oct.31</u>	<u>1.87 cfs</u>	<u>584 afa</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
Totals:				<u>1.87 cfs</u>	<u>584 afa</u>

2. Recommended Amendments

X Change P.D. as reflected above Add P.D. as reflected above None
 Change P.U. as reflected above X Add P.U. as reflected above Other

I. AUTHENTICATION

Field Examiner's Name Connel A. Nelson Date 7-16-96

Reviewer _____ Date AUG 09 1999

SEAL

POLYSONIC READINGS

PERMIT #: 47-08011A

WELL (PUMP #1)

FIRST SET OF INFORMATION:

SET-UP IMPUTE DATA USED DURING
PREPARATION FOR FLOW MEASUREMENTS.

SECOND SET OF INFORMATION:

THESE ARE THE READINGS TAKEN FOR
THE MAIN POINT OF DIVERSION.
THIS IS FOR PUMP #1 ON THE MAPS.

FLOWS IN GALLONS PER MINUTE (GPM)

797.535
+ 805.460
+ 801.498
+ 789.874
3194.367

3194.367 / 4 = 798.592 AVERAGE GPM

MODE SELECT *Pump#*
INPUT *1*

OUTER DIAMETER
8.0201 IN

PIPE MATERIAL
? CS,SS

WALL THICKNESS
0.1020 IN

INNER LINING
? NO LING.

KIND OF FLUID
? WATER

SENSOR MOUNTING
? U

TYPE OF SENSOR
? SMALL

DATA CHANGE
? NO

SPACING
5.806 IN U

ZERO MODE
CLEAR

ZERO MODE
AUT ZERO

ZERO MODE
ZERO OPR

06-11 15:1700 *R
+002.60 % A12

MODE SELECT
T0 CHECK

0294.1 MMSEC
100.71 % T0

*1ST SET
OF
INFORMAT*

06-11 15:1800 *R
+797.535E 0GPM

06-11 15:1800 *R
+805.460E 0GPM

06-11 15:1800 *R
+801.498E 0GPM

*2nd set
OF
INFORMAT*

06-11 15:1900 *R
+789.874E 0GPM

MICROFILMED

NOV 09 1993

GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

FILE: 47-08011A
DATE: 6-11-96
BY: Daniel A. Nelson

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8) (5 HP) (0.70)}{[(220 FT) + (.50 PSI \times 2.31)]} = \frac{30.8}{33.5} = .092 CFS$$

41.29 gpm

LIFT FROM:
measurement ()
owner (X)
area estimate ()
well logs ()
Booster (Y) (N)

PSI FROM:
measurement ()
owner (X)
estimate ()
owner gage ()

NOTES ON PUMP:
Motor Make, Serial or ID
Pump Make, Serial or ID, rating

REMARKS

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)	
3/15 - 11/15	246	POTENTIAL = $\frac{(\dots) \times (1.98) \times (\dots)}{(\dots)}$
4/1 - 11/1	215	
4/15 - 10/15	184	
3/1 - 12/1	276	

POTENTIAL =

REQUIRED Acre Feet/Acre/Annum =
(AF/Ann/Ac irrigation requirement from chart for area)
NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY ()
IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY ()

This is FOR Pump # 2
MICROFILMED

AUG 03 1999

GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

FILE: 47-08011A
DATE: 6-11-96
BY: Daniel A. Nelson

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8) (7.5) (0.70)}{[(0) + (80 \text{ psi} \times 2.31)]} = \frac{462}{1848} = 2.5 \text{ CFS}$$

1122 gpm

LIFT FROM:	PSI FROM:	NOTES ON PUMP:
measurement (X)	measurement ()	Motor Make, Serial or ID
owner ()	owner ()	
area estimate ()	estimate ()	Pump Make, Serial or ID, rating
well logs ()	owner gage (X)	
Booster (Y) (N)		

REMARKS This is for pump #3

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)	
3/15 - 11/15	246	POTENTIAL = $\frac{(\dots) \times (1.98) \times (\dots)}{(\dots)}$
4/1 - 11/1	215	
4/15 - 10/15	184	
3/1 - 12/1	276	

POTENTIAL = _____

REQUIRED Acre Feet/Acre/Annum = _____
(AF/Ann/Ac irrigation requirement from chart for area)
NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY ()

IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY ()

Pump

PHOTOCOPIED
AUG 09 1999

GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

FILE: 47-08011A
DATE: 6-11-96
BY: Daniel A. Ndar

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8) (0.75) (0.70)}{[(0) + (8.0 \text{ PSI} \times 2.31)]} = \frac{4.62}{184.8} = 2.5 \text{ CFS} = 1122 \text{ gpm}$$

LIFT FROM:	PSI FROM:	NOTES ON PUMP:
measurement ()	measurement ()	Motor Make, Serial or ID
owner ()	owner ()	
area estimate ()	estimate ()	Pump Make, Serial or ID, rating
well logs ()	owner gage ()	
Booster (Y) (N)		

REMARKS

THIS IS FOR PUMP #4

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)	
3/15 - 11/15	246	POTENTIAL = $\frac{(\dots) \times (1.98) \times (\dots)}{(\dots)}$
4/1 - 11/1	215	
4/15 - 10/15	184	
3/1 - 12/1	276	

POTENTIAL =

REQUIRED Acre Feet/Acre/Annum =
(AF/Ann/Ac irrigation requirement from chart for area)

NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY ()

IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY ()

Pump #4
MICROFILMED
JUG 03 1999

GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

FILE: 47-08011A
DATE: 6-11-96
BY: Daniel A. Nelson

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

- Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8) (...5.0HP...) (0.70)}{[(...0...) + (...80psi... \times 2.31)]} = \frac{308}{184.8} = 1.67 \text{ CFS}$$

749.50 gpm

LIFT FROM:	PSI FROM:	NOTES ON PUMP:
measurement (X)	measurement ()	Motor Make, Serial or ID
owner ()	owner ()	
area estimate ()	estimate ()	Pump Make, Serial or ID, rating
well logs ()	owner gage (X)	
Booster (Y) (N)		

REMARKS: This is for Pump # 5

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)	
3/15 - 11/15	246	POTENTIAL = $\frac{(\dots) \times (1.98) \times (\dots)}{(\dots)}$
4/1 - 11/1	215	
4/15 - 10/15	184	
3/1 - 12/1	276	

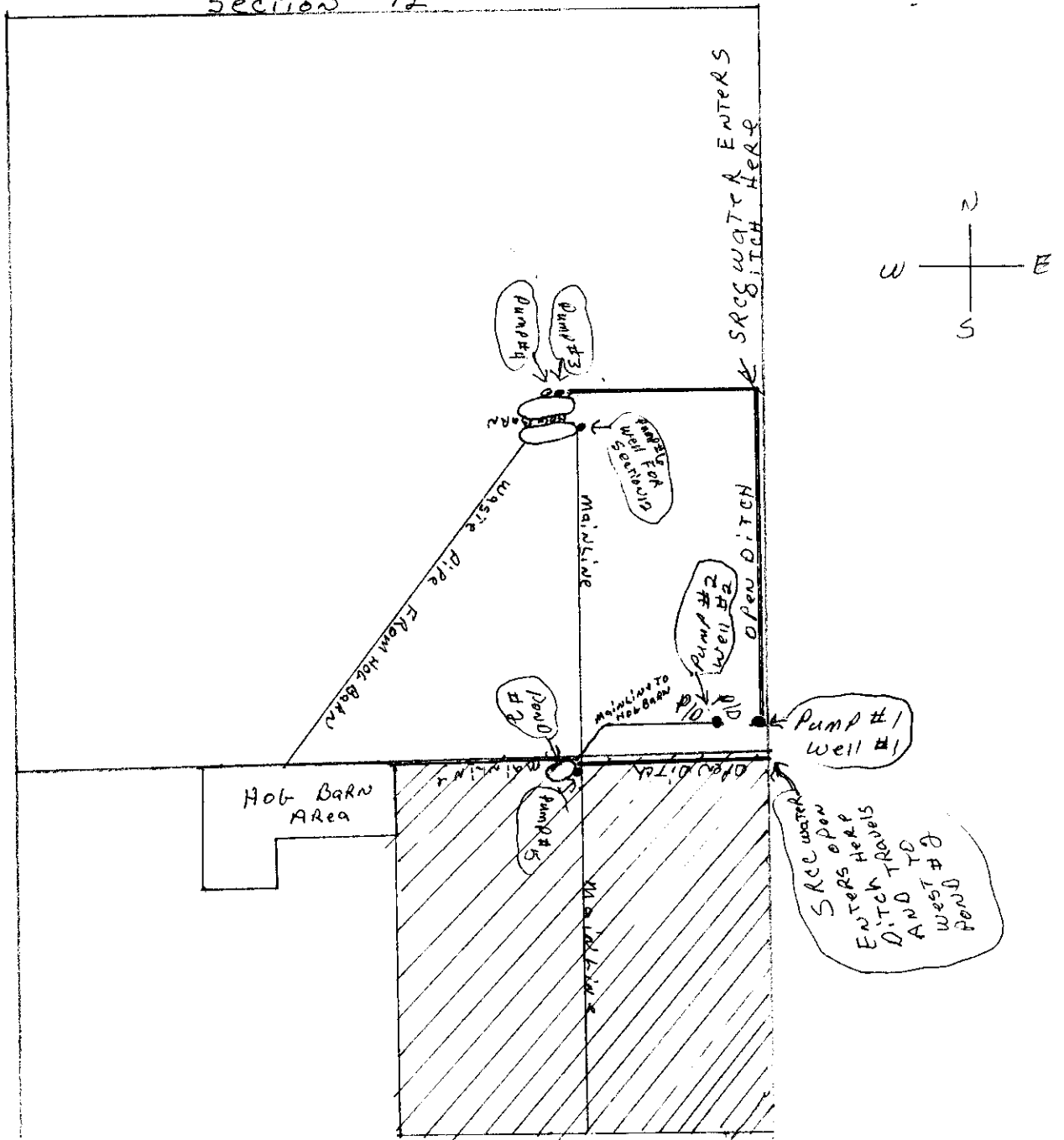
POTENTIAL = _____

REQUIRED Acre Feet/Acre/Annum = _____
(AF/Ann/Ac irrigation requirement from chart for area)
NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY ()
IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY ()

Pump # 5 MICROFILMED
JUG 09 1999

Section 12



Permissible Place of Use

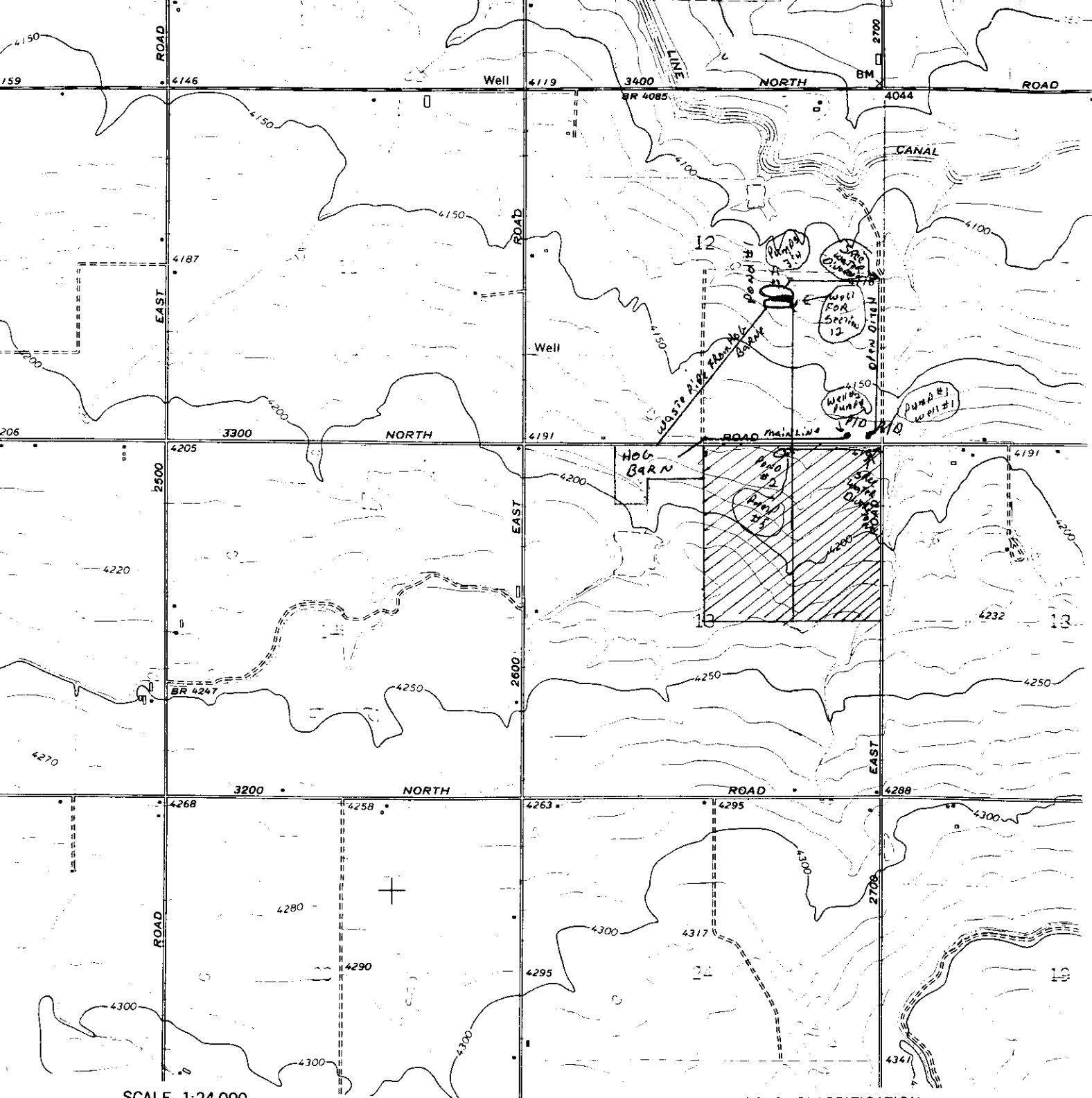


MICROFILMED

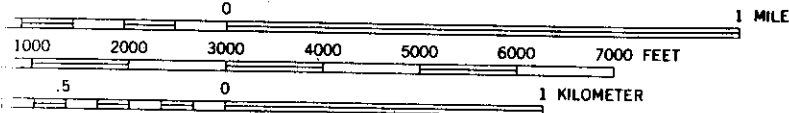
AUG 09 1999

Section 13

System Diagram



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
ICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
ING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MICROFILMED

AUG 8 9 1989

ROAD CLASSIFICATION

Primary highway, = hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route



QUADRANGLE LOCATION

BERGER, IDAHO
N4222.5—W11430/7.5

1979

DMA 3068 I NE—SERIES V893

12-16

well #2
pumps

well #1
pumps

SEE P-17

Waste
mainline
HOL
BARN TO
POND

ERP BCS96

20.0 NC

HOL BARN US

POND
#1
PUMP
#3

T31444

4080

T3615
F-3806
NW

T-133C

F-3806

GRP

2-96"

2 NW
35.6

mainline

1 NW

36.7

T31412

4080

7 HRL

121 NW

20.7

3 NW

3.7

11.5

8
10.7 NW

7 NW

11.9

6 NW

27.8

10 NW

12.7

11 NW

12.1

12 NW

26.4

T31412
3886

T-133C
3855

1 NW

17.0

T3572

24

PERMIT 47-08011A INIT DAN
T. R. S. Q/Q

P/D

SCALE

660

PHOTO ID.

P-18

(1987 FL 94T)

T3133!
4388

T 31330
F 3800

CRP #14

187-90

1A
73.8 NW

80.0
80.0

4388

42.6

72.3

CRP #14

T-31331
4388
HEL

AW
H2O BARR
AW

Pump #314
POND #1
WELL FOR
SAC. 12

10.5

2A
74.1 NW

NOT FILMED
2 NW
72.0 AUG 09 1997

6 NW
43.0

OPEN DITCH

T-31330

SEE P-17

Waste
Pipe From
Hib-Barus

12-176
PUNDI
PUNDI
PUNDI

EXP 85596

20.0 NW

NOG CORN

Main NW 1/4 of Section 12

4080

PUNDI
PUNDI
PUNDI

40 ACRES

2 NW 40 ACRES

36.7

T3615
F-3806
NW

T3612

F-3806

EXP 85596

20.0 NW

T3612

4080

1 NW

2 NW

3 NW

4 NW

5 NW

6 NW

7 NW

8 NW

9 NW

10 NW

11 NW

12 NW

13 NW

14 NW

15 NW

16 NW

17 NW

18 NW

19 NW

20 NW

21 NW

22 NW

23 NW

24 NW

25 NW

26 NW

27 NW

28 NW

29 NW

30 NW

31 NW

32 NW

33 NW

34 NW

35 NW

36 NW

37 NW

38 NW

39 NW

40 NW

41 NW

42 NW

43 NW

44 NW

45 NW

46 NW

47 NW

48 NW

49 NW

50 NW

51 NW

52 NW

53 NW

54 NW

55 NW

56 NW

57 NW

58 NW

59 NW

60 NW

61 NW

62 NW

63 NW

64 NW

65 NW

66 NW

67 NW

68 NW

69 NW

70 NW

71 NW

72 NW

73 NW

74 NW

75 NW

76 NW

77 NW

78 NW

79 NW

80 NW

81 NW

82 NW

83 NW

84 NW

85 NW

86 NW

87 NW

88 NW

89 NW

90 NW

91 NW

92 NW

93 NW

94 NW

95 NW

96 NW

97 NW

98 NW

99 NW

100 NW

101 NW

102 NW

103 NW

104 NW

105 NW

106 NW

107 NW

108 NW

109 NW

110 NW

111 NW

112 NW

113 NW

114 NW

115 NW

116 NW

117 NW

118 NW

119 NW

120 NW

121 NW

122 NW

123 NW

124 NW

125 NW

126 NW

127 NW

128 NW

129 NW

130 NW

131 NW

132 NW

133 NW

134 NW

135 NW

136 NW

137 NW

138 NW

139 NW

140 NW

141 NW

142 NW

143 NW

144 NW

145 NW

146 NW

147 NW

148 NW

149 NW

150 NW

151 NW

152 NW

153 NW

154 NW

155 NW

156 NW

157 NW

158 NW

159 NW

160 NW

161 NW

162 NW

163 NW

164 NW

165 NW

166 NW

167 NW

168 NW

169 NW

170 NW

171 NW

172 NW

173 NW

174 NW

175 NW

176 NW

177 NW

178 NW

179 NW

180 NW

181 NW

182 NW

183 NW

184 NW

185 NW

186 NW

187 NW

188 NW

189 NW

190 NW

191 NW

192 NW

193 NW

194 NW

195 NW

196 NW

197 NW

198 NW

199 NW

200 NW

201 NW

202 NW

203 NW

204 NW

205 NW

206 NW

207 NW

208 NW

209 NW

210 NW

211 NW

212 NW

213 NW

214 NW

215 NW

216 NW

217 NW

218 NW

219 NW

220 NW

221 NW

222 NW

223 NW

224 NW

225 NW

226 NW

227 NW

228 NW

229 NW

230 NW

231 NW

232 NW

233 NW

234 NW

235 NW

236 NW

237 NW

238 NW

239 NW

240 NW

241 NW

242 NW

243 NW

244 NW

245 NW

246 NW

247 NW

248 NW

249 NW

250 NW

251 NW

252 NW

253 NW

254 NW

255 NW

256 NW

257 NW

258 NW

259 NW

260 NW

261 NW

262 NW

263 NW

264 NW

265 NW

266 NW

267 NW

268 NW

269 NW

270 NW

271 NW

272 NW

273 NW

274 NW

275 NW

276 NW

277 NW

278 NW

279 NW

280 NW

281 NW

282 NW

283 NW

284 NW

285 NW

286 NW

287 NW

288 NW

289 NW

290 NW

291 NW

292 NW

293 NW

294 NW

295 NW

296 NW

297 NW

298 NW

299 NW

300 NW

301 NW

302 NW

T31331
4388

T 31330
F 3806

CRP #14

187-96

1A
73.8 NW

80.0

80.0

T-31331
4388
HEL

CRP #14

07-96

2A
74.1 NW

2 NW
72.0

4388

42.6 NW

72.3

OPEN DITCH

AW
POND
AW

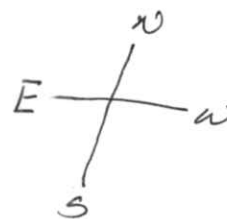
POND #1
Rediversion
PUMP #3
PUMP #4
Well FOR
SECTION 12

open
DITCH →

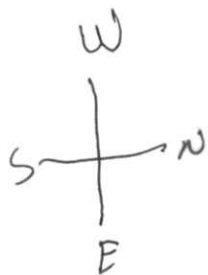
6 - NW
43.0

SAPE
DIVERSION

open
DITCH



This is well #1 Pump #1. Pump #1 Discharges into The Open Ditch which Runs APPROX. 1/2 mile Then TURNS LEFT and Discharges into POND #1.



This is Pump #2 Well #2. The main line Follows Fence west to The End Then TURNS south across Road Then NORTH again TO HOV BARN.

MICROFILMED

AUG 09 1999



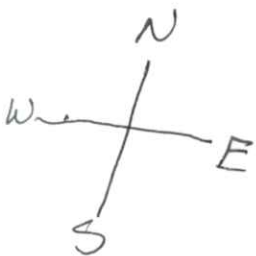
MICROFILMED
 AUG 09 1999

This is the ~~the~~ NORTH side of Pond #1. A Hog Barn sits on an island straddling the pond. The water enters the pond in 3 places. 1st place is in the North East corner of pond. This is where SRCC water and water from well #1 enters the pond. 2nd point is directly East of the Northeast corner of the Hog Barn. The third place is on other side of Hog Barn



AUG 09 1999
MICROFILMED

This is the south side of Pond #1, the Discharge from the Hog Barn located in section 13 discharges in the southwest corner of Pond #1. This picture also shows Pump #6 that pumps water to irrigate lands in section 12.



MICROFILMED
AUG 09 1999

This Pond #2. The main line from Pond #2 crosses the road under ground and Pump #5 draws water from the pond and recharges the mainline. The pond is filled with SRCC water which empties into the pond in the north east corner.