

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8992

Exam Date: 8/8/2007

1. Current Owner: RAMSEY ESTATES HOMEOWNERS ASSOCIATION
PO BOX 280
RATHDRUM ID 83858
(208) 687-0802

NORMS PLUMBING & HEATING INC
PO BOX 1318
COEUR D'ALENE ID 83816-1318
(208) 867-7496

2. Accompanied by: DEAN RENNINGER

Phone No: SAME

Address: SAME

Relationship to Permit Holder: RAMSEY ESTATES HOMEOWNERS ASSOCIATION AGNET

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-8934 DOMESTIC 1 HOME 2ac IRRIGATION
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 NW1/4SW1/4 Sec. 11, Twp 52N, Rge 04W, B.M. KOOTENAI County

GROUND WATER NW1/4SW1/4 Sec. 11, Twp 52N, Rge 04W, B.M. KOOTENAI County

Method of Determination: MAP

2.

PLACE OF USE: MUNICIPAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	04W	2											X	X			X	X	
52N	04W	3																X	
52N	04W	10	X			X									X				
52N	04W	11	X	X			X	X	X	X		X							

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

<u>Well or Diversion</u> <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</u> <u>Size</u>
<u>D0023983</u>	<u>G-GRUNDFOS</u>	<u>25</u>	<u>4/K</u>	<u>GRUNDFOS</u>	<u>11/K</u>
<u>95-95-N-208</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>

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

1.

[illegible]

2. Measurements:

 Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No.						WELL#1 95-8992	(95-95-N-208-000)
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI	
Q =	HP*8.8*Eff/H	25	407.517	0.8	315	40	
Q = 0.433 cfs		194.2 gpm					

PUMP EQUATIONS WATER RIGHT No.				WELL # 2 D0022983 95-9085		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	25	462.517	0.8	370	40
Q = 0.381 cfs 171.1 gpm						

Flow Calculations

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 38.5 \times 3 \text{ AF} = 115.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.80 \text{ cfs} \times 246 \times 1.9835 = 390.3$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 115.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic} = 0.6 \times 32 \text{ homes} = 19.2 \text{ AF}$$

$$\text{Irrigation} = 115.5 \text{ AF}$$

$$\text{TOTAL } 134.7 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

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

H. RECOMMENDATIONS This water permit is for Domestic for 37 homes and Irrigation of 38.5. The field exam shows 32 home in use and 38.5 acres of Irrigation. The two wells can produce 0.81 cfs. This water right should be changed to municipal with a amendment to permit.

PWS# 1280285

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
MUNICIPAL	01/01 to 12/31	0.800 CFS	
<u>Totals:</u>		0.800 CFS	134.70 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 Eric J. Davis Date 1-17-2008

Reviewer [Signature] Date 1/31/08

public water system name **Ramsey Estates Water System**
 PWS # **1280285**
 Classification Very small water system
 Owner Ramsey Estates Homeowners Association
 mailing address PO Box 280 Rathdrum, ID 83858
 Contact Person Wade Potter Board Member
 Certified water Operator Dean Renninger DWD2 15311 208-661-9521
 Certified water Operator Leslie Abrams DWD1 14223 208-929-1045
 Phone # 208-687-0802
 Fax # 208-687-1583

IDWR FEE \$25.00 CFS
 permit # 95-8992 process of permit to license 0.8
 Ownership water right Transfer from Norms Plumbing and Heating Inc. to Ramsey Estates Homeowners Association

Well info	Twp	Rng	Sec	Tract	permit #	Date	tag	HP
point of diversion	52N	4W		11 NWSW	754186	12/7/1995		25
point of diversion	52N	4W		11 NWSW	790266	1/15/2003	D0022983	25

measuring instrument GPM Mccromete 4" 01186-MW504

annual water use Gal / CFA

GAL CFA
12,500,000 38.36109

use pump curve	fill psi	ft/psi	resevoir fill feet	static	total head	HP	GPM	2 CFS
Pump curve	33	2.31	76.23	315	391.23	25	185	370 0.824421

Place of Use Legal Description: *Kootenai* County

Ramsey Estates	BLK 1	lots 1-6	Blk 2	lots 1-12	Blk 3	lots 1-7	Blk 4	Lots 1-12
<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
52N	04W	11		NENE	0.5		NWNE	6
				NENW	8		NWNW	8
				NESW	0.5		NWSW	2
			<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
				SWNE	0.5			
				SWNW	8		SENE	5

Place of Use Legal Description *Municiple*

Municiple	use	Homes	Acre feet	CFS
Homes	domestic	37	22.2	0.29
Homes	irrigation	37	115.5	0.77
total			137.7	1.06

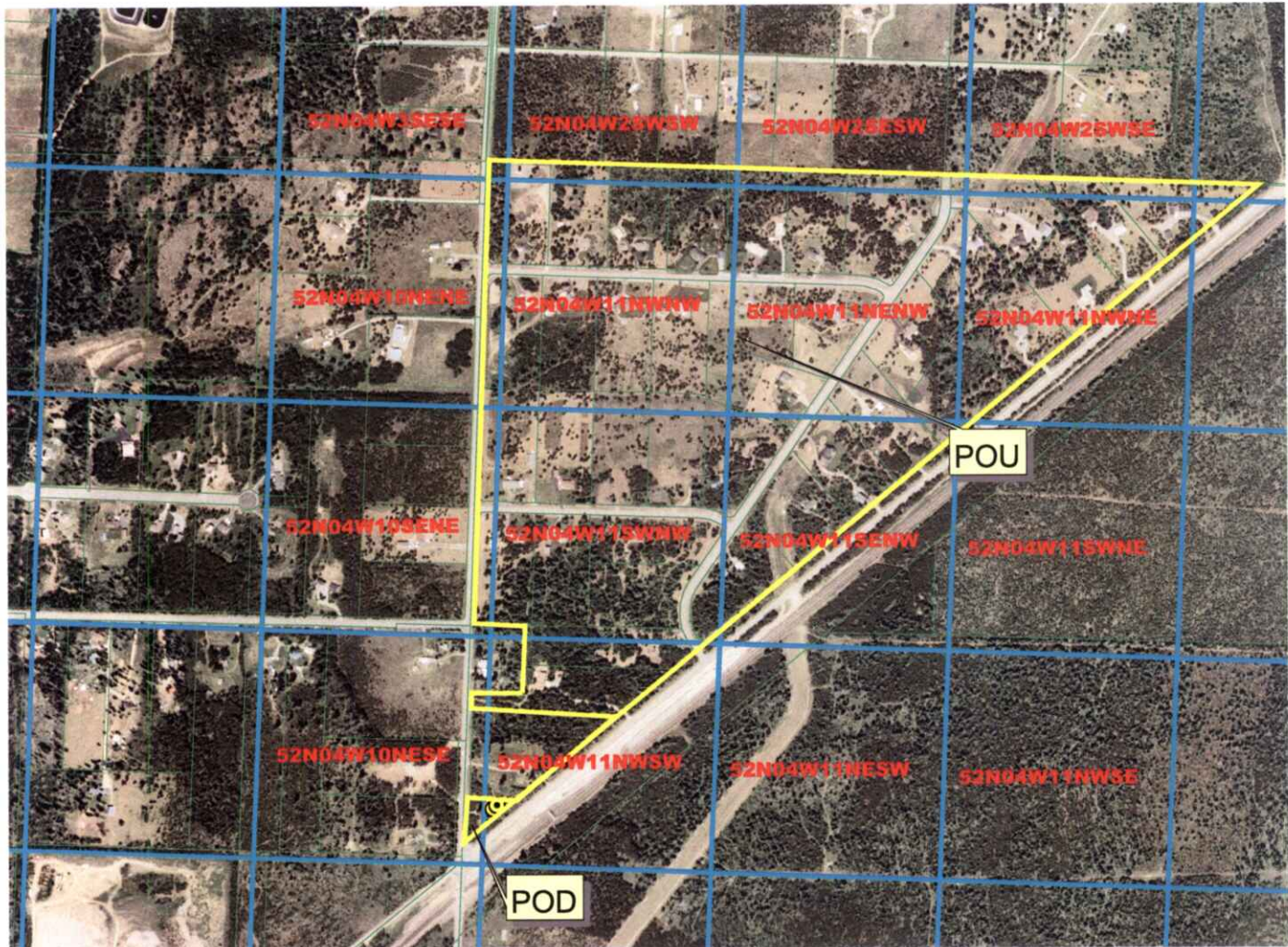
**RAMSEY ESTATES WATER SYSTEM
SECTION 11, T52N, R4W, B.M.**

PORTION	AC	20% IRRIGATED
NW 1/4 OF NW 1/4	40.2	8.04
NE 1/4 OF NW 1/4	40.3	8.06
SW 1/4 OF NW 1/4	40.2	8.04
SE 1/4 OF NW 1/4	25.9	5.18
NW 1/4 OF NE 1/4	29.9	5.98
NE 1/4 OF NE 1/4	2.4	0.48
SW 1/4 OF NE 1/4	0.9	0.18
NW 1/4 OF SW 1/4	10.1	2.02
NE 1/4 OF SW 1/4	0.1	0.02
TOTAL	190.0 AC	38.0 AC

38.5 on Permit

6

95-8992



-  Place of use.shp
-  Kootenai taxlots
-  Point of diversion.shp
-  QQ





SYMBOLS

- 1" WIDE DRIVE
- 2" WIDE DRIVE
- 4" WIDE DRIVE
- 6" WIDE DRIVE
- 8" WIDE DRIVE
- 10" WIDE DRIVE
- 12" WIDE DRIVE
- 14" WIDE DRIVE
- 16" WIDE DRIVE
- 18" WIDE DRIVE
- 20" WIDE DRIVE
- 22" WIDE DRIVE
- 24" WIDE DRIVE
- 26" WIDE DRIVE
- 28" WIDE DRIVE
- 30" WIDE DRIVE
- 32" WIDE DRIVE
- 34" WIDE DRIVE
- 36" WIDE DRIVE
- 38" WIDE DRIVE
- 40" WIDE DRIVE
- 42" WIDE DRIVE
- 44" WIDE DRIVE
- 46" WIDE DRIVE
- 48" WIDE DRIVE
- 50" WIDE DRIVE
- 52" WIDE DRIVE
- 54" WIDE DRIVE
- 56" WIDE DRIVE
- 58" WIDE DRIVE
- 60" WIDE DRIVE
- 62" WIDE DRIVE
- 64" WIDE DRIVE
- 66" WIDE DRIVE
- 68" WIDE DRIVE
- 70" WIDE DRIVE
- 72" WIDE DRIVE
- 74" WIDE DRIVE
- 76" WIDE DRIVE
- 78" WIDE DRIVE
- 80" WIDE DRIVE
- 82" WIDE DRIVE
- 84" WIDE DRIVE
- 86" WIDE DRIVE
- 88" WIDE DRIVE
- 90" WIDE DRIVE
- 92" WIDE DRIVE
- 94" WIDE DRIVE
- 96" WIDE DRIVE
- 98" WIDE DRIVE
- 100" WIDE DRIVE

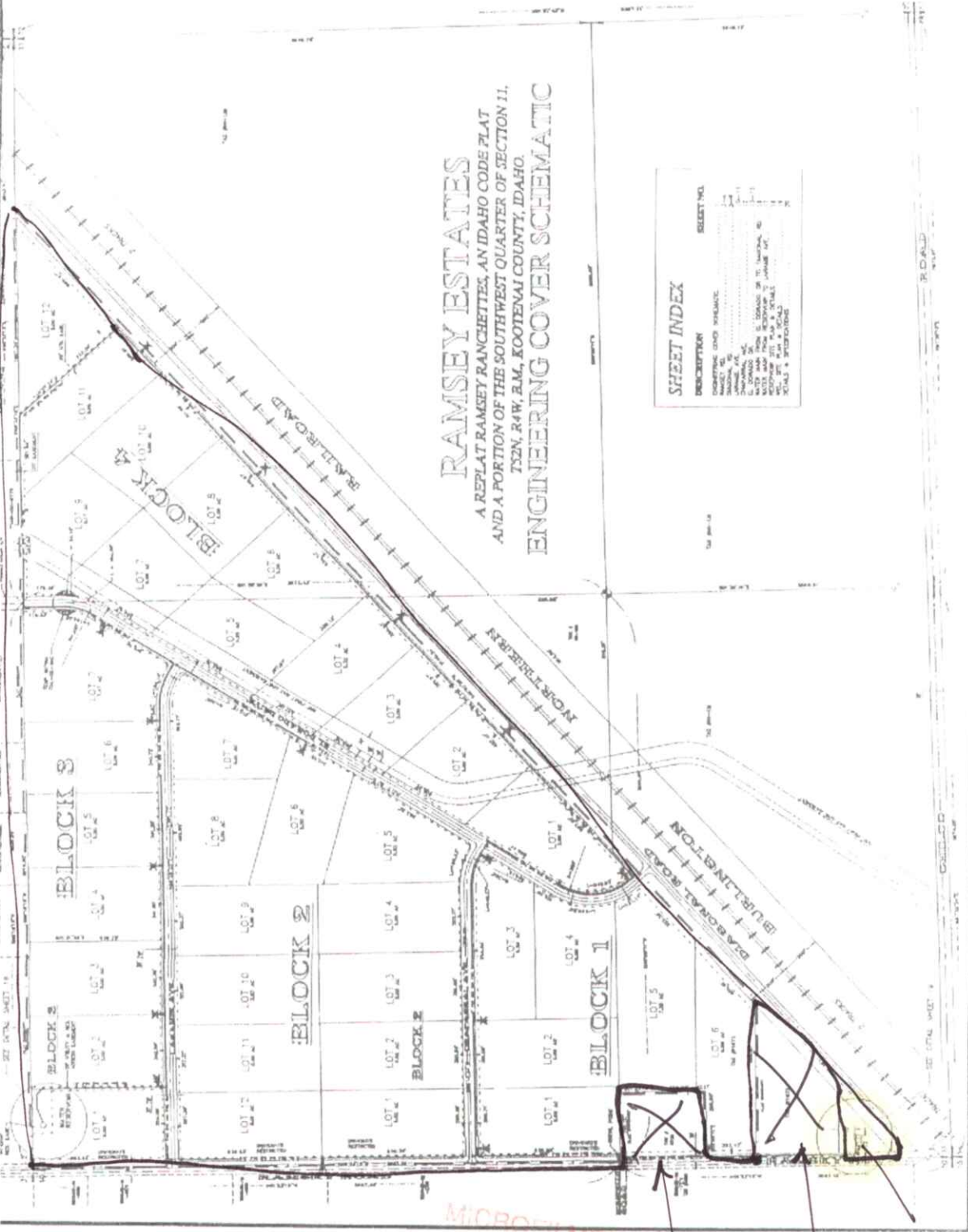


STATE OF IDAHO
 PROFESSIONAL ENGINEER
 LICENSE NO. 12345
 EXPIRATION DATE 12/31/2000

RAMSEY ESTATES A REPLAT RAMSEY RANCHETTES, AN IDAHO CODE PLAT AND A PORTION OF THE SOUTHWEST QUARTER OF SECTION 11, T32N, R44W, E4M, KOOTENAI COUNTY, IDAHO. **ENGINEERING COVER SCHEMATIC**

SHEET INDEX

DESCRIPTION	SHEET NO.
CONVEYANCE OF INTEREST	1
REPLAT OF RAMSEY RANCHETTES	2
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	3
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	4
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	5
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	6
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	7
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	8
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	9
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	10
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	11
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	12
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	13
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	14
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	15
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	16
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	17
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	18
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	19
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	20
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	21
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	22
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	23
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	24
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	25
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	26
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	27
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	28
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	29
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	30
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	31
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	32
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	33
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	34
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	35
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	36
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	37
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	38
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	39
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	40
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	41
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	42
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	43
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	44
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	45
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	46
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	47
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	48
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	49
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	50
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	51
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	52
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	53
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	54
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	55
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	56
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	57
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	58
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	59
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	60
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	61
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	62
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	63
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	64
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	65
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	66
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	67
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	68
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	69
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	70
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	71
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	72
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	73
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	74
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	75
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	76
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	77
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	78
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	79
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	80
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	81
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	82
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	83
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	84
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	85
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	86
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	87
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	88
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	89
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	90
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	91
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	92
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	93
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	94
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	95
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	96
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	97
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	98
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	99
REPLAT OF SOUTHWEST QUARTER OF SECTION 11	100



MICROFILMED
 NOV 09 1998

NO
 NO
 NO



SYSTEM.JPG



WELL #1.JPG



WELL #2.JPG



WELL TAG FOR WELL
#2.JPG

95-8992



95-8992





95-8992

