

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

FEB 26 2009

DEPARTMENT OF WATER RESOURCES

A. GENERAL INFORMATIONPermit No. 63-124471. Owner: ARK Properties, LLC c/o John McCallum Phone No.: (208) 336-7931Current Address: 11204 N Bar 21 Dr Glenss Ferry, ID 83623-5033Owner: Mayfield Townsite, LLC c/o Marty Goldsmith Phone No.: (208) 388-0189Current Address: 4487 N Dresden Pl Ste 102 Boise, ID 837142. Accompanied by: none EXAM DATE: September 26, 2008

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: Ground Water tributary to _____**B. OVERLAP REVIEW**1. Other water rights with the same place of use: 63-2046 (a decreed surface water right) and 63-2654 (a licensed right recommended by IDWR for disallowal in the Basin 63 Part III Director's Report). See narrative part E for further discussion.2. Other water rights with the same point of diversion: Application for Permit 63-32449.**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			SW	SW	24	01N	04E	ELMORE	GPS	D0047651
2			SW	NE	24	01N	04E	ELMORE	GPS	D0052697

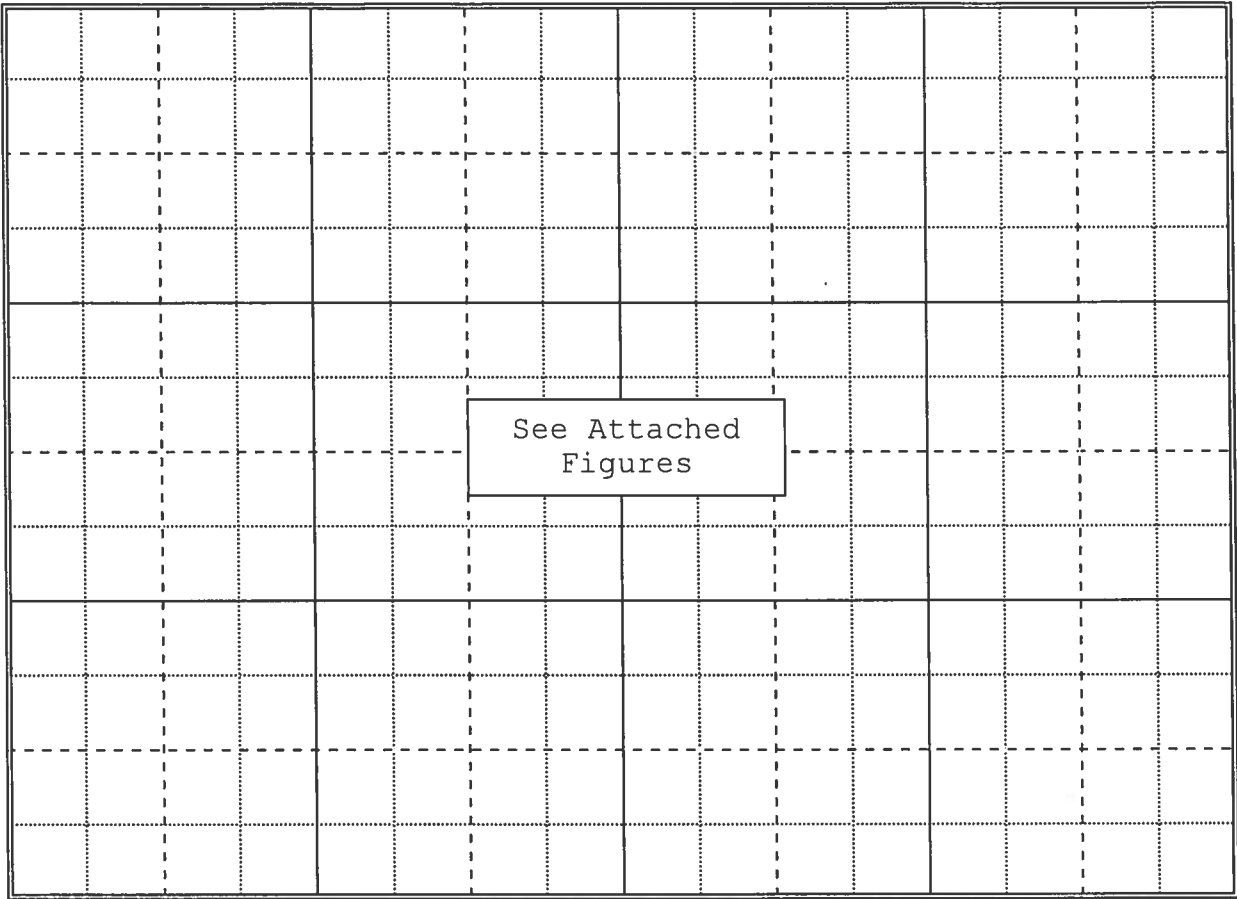
2. Place(s) of Use:

Indicate Method of Determination GPS, 2006 NAIP, USGS Quad

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	04E	13																1	1
		24	30		30	33				9	35	9	1	18	2	16	4		187
	05E	18											1						1
		19						9	2				Lt 4						11
								Lt 1	Lt 2										

Total: 200

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



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
1 (D0047651)	Int'n AA Group	250	2006/6091	Goulds Pump	Model 12CHC (8 stg)
2 (D0052697)	US Motor	200		Robbco Pumps	Model 12CHE (8 stg)

*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:** _____ Flow rate based on pump curves.

E. NARRATIVE/REMARKS/COMMENTS

Two wells with vertical turbine pumps supply water to an interconnected system of two center pivots and hand-lines. Well #1 (D0047651) is equipped with a 250-hp motor and Goulds Pumps model 12CHC (8-stage) vertical turbine with design flow of 1,100 gpm at 606 ft TDH. Well #2 (D0052697) is equipped with a 200-hp motor and Robbco Pumps model 12CHE (8-stage) vertical turbine with design flow of 1,200 gpm at 556 ft TDH. Pivot #1 is a full-circle unit centered in NESW Section 24 covering approximately 102 acres. Pivot #2 is a partial-circle unit centered in the NE¼ of Section 24 covering approximately 107 acres. Non-cropped riparian areas under center-pivot coverage totals about 9 acres. Handlines supply irrigation for approximately 10 acres, mostly in the NWNW Section 19 T01N R05E. This irrigated place of use is within the 980-acre permissible place of use boundary described by permit 63-12447, except for 9 acres in SENW Section 24, and 1 acre in the SESE Section 13, T01N R04E.

The permit holders plan to continue moving the irrigated area within the permitted permissible place of use and request that the permissible place of use remain as permitted, except for the following changes: add Section 24 SWNW and SENW and a portion of the SESE Section 13, T1N R4E (12 acres) because irrigation does or could reasonably extend into these tracts, and exclude E½ SE¼ Section 19 T1N R5E because these tracts are outside of the property boundary and are not expected to be irrigated under this right (see Attachment D map). In addition, the 1N 4E Sec 24 NENE should list up to 40 acres (instead of 30)

Overlap Review: The 63-12447 permitted permissible place of use overlaps the place of use described by surface water right 63-2046 in 1N 5E Section 18. However, the irrigation system developed for 63-12447 does not overlap the 63-2046 place of use. The 63-12447 permitted place of use also overlaps the place of use claimed under 63-2654, which is a ground water right recommended by IDWR for disallowal in the Basin 63 Part III Director's Report. See Attachment C for a map of these overlapping places of use. The irrigation system developed under permit 63-12447 is supplied only by ground water with no supplementing surface water.

Have conditions of permit approval been met? X yes ___ no

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Well 1 Pump Curve & Design Capacity = 1,100 gpm @ 606 ft TDH (2.45 cfs)

Design head conditions: lift = 400 feet, discharge pressure = 80 psi, miscellaneous losses = 20 ft

Well 2 Pump Curve & Design Capacity = 1,200 gpm @ 556 ft TDH (2.67 cfs)

Design head conditions: lift = 420 feet, discharge pressure = 50 psi, miscellaneous losses = 20 ft

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 200 \text{ acres} \times (4 \text{ af/a}) = 800 \text{ afa}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 4.0 \text{ cfs} \times 246 \text{ days} \times 1.9835 = 1952 \text{ afa}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 800 \text{ afa}$

2. Volume Calculations for Other Uses: none

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	3/15	11/15	4.0 cfs	800 afa

2. Recommended Amendments

___ 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

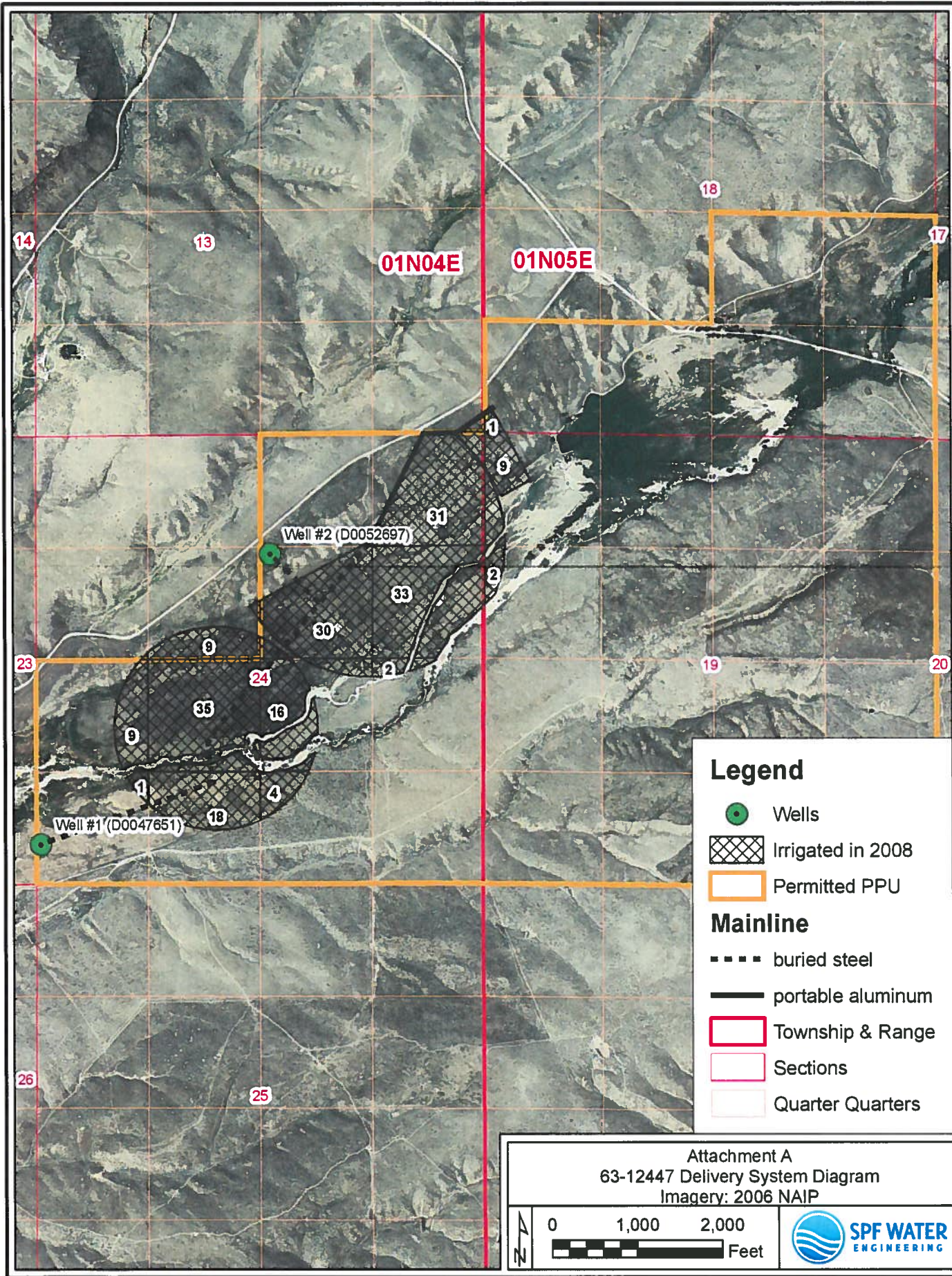
Field Examiner's Name Scott N. King, P.E. Date February 26, 2009

Field Examiner's Signature *Scott N. King*

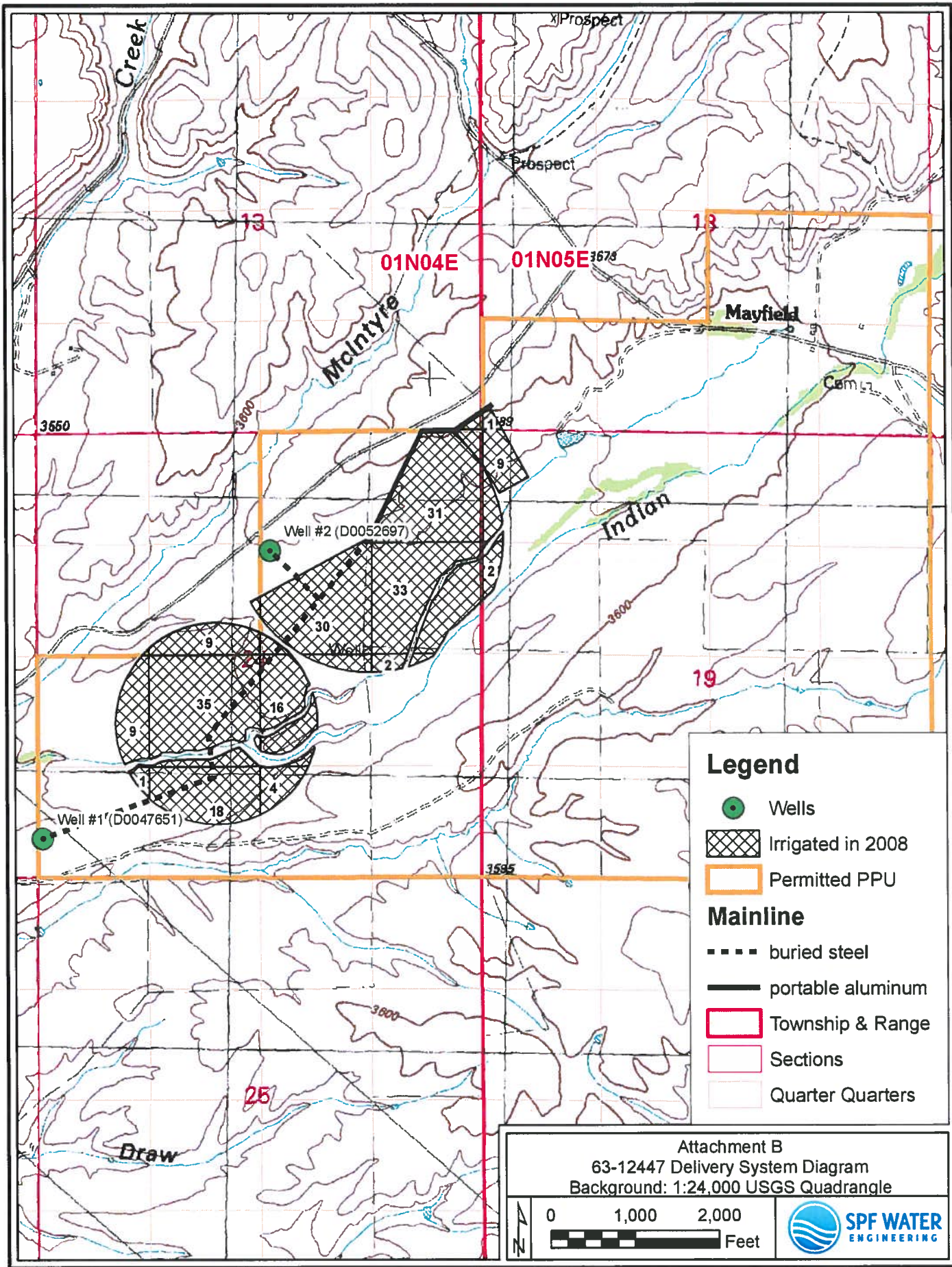
Reviewer _____ Date _____



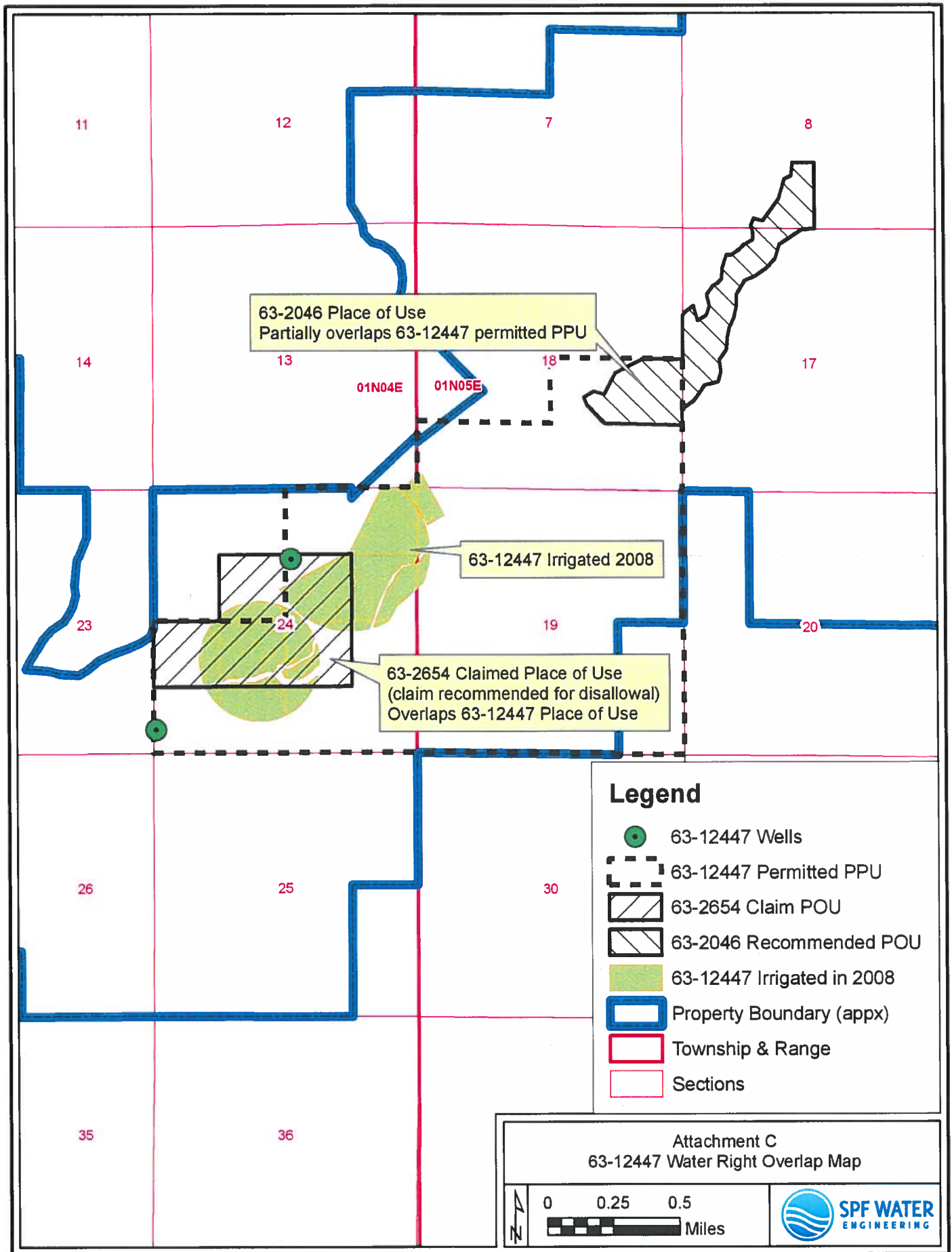
ATTACHMENT A
2006 AERIAL IMAGE



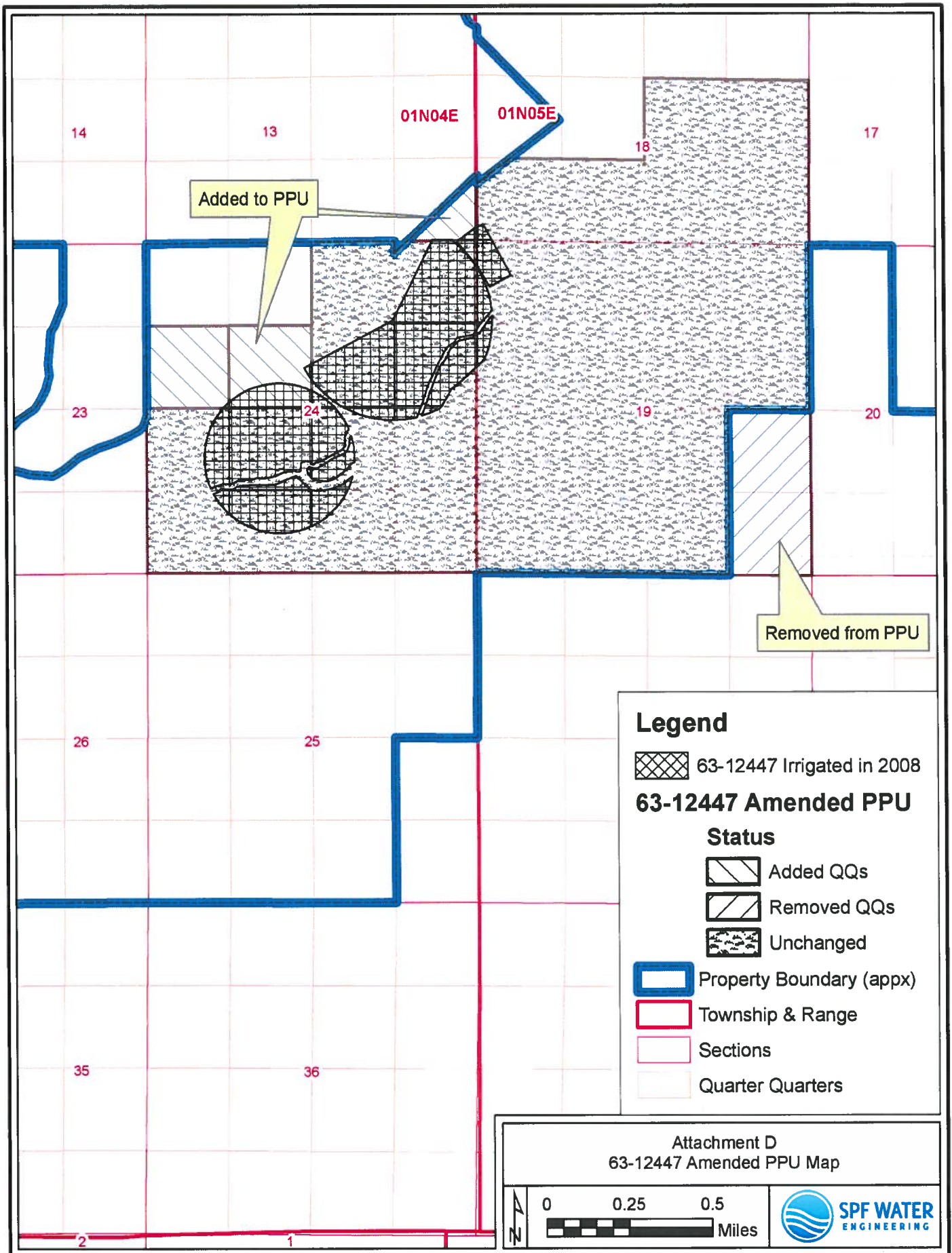
ATTACHMENT B
USGS QUAD MAP



**ATTACHMENT C
OVERLAP ANALYSIS MAP**



ATTACHMENT D
PERMISSIBLE PLACE OF USE CHANGES MAP



ATTACHMENT E
DIVERSION AND SYSTEM PHOTOS

Attachment E – Diversion and System Photographs
Permit 63-12447



Photo 1: Well #1 (D0047651) at T01N R04E Section 24 SWSW.



Photo 2: Well #2 (D0052697) at T01N R04E Section 24 SWNE.

Attachment E – Diversion and System Photographs
Permit 63-12447



Photo 3: Center Pivot #1 pivot point south of quarter-quarter centroid at T01N R04E Section 24 NESW.



Photo 4: Center Pivot #2 pivot point near center of T01N R04E Section 24 NE¼.

Attachment E – Diversion and System Photographs
Permit 63-12447



Photo 5: Aluminum mainline supplying handlines. Pivot #2 in background.



Photo 6: Aluminum mainline and handlines.

Attachment E – Diversion and System Photographs
Permit 63-12447



Photo 7. Handlines irrigating about 10 acres, primarily in NWNW Section 19.

ATTACHMENT F
WELL #1 DRILLER'S REPORT, PUMP CURVE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D 0047651
DRILLING PERMIT NO. 897529-843964
Water Right or Injection Well No. 63-12447

2. OWNER:

Name ARK PROPERTIES LLC
Address 11204 N BAR 21 DR
City GLENN'S FERRY State ID Zip 83623

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 1 North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 24 1/4 SW 1/4 SW 1/4
Gov't Lot _____ To _____ County ELMORELat: 43:24:6 Long: 115:56:6Address of Well Site 1/2 MI EAST, 1/4 MI SOUTH OF INDIAN CREEK AT
SLATOR CREEK RD INTERSECTION City MAYFIELDLt. _____ Blk. _____ Sub. Name N/A

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☒ Other REVERSE

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
1" BENTONITE	0	394	37,000	DRY POUR
1" BENTONITE	630	650	5,000	DRY POUR

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____Was drive shoe seal tested? ☐ Y ☒ N How? _____8. CASING/LINER: 16" X 10" REDUCER @ 431'

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16	42	431	375	STEEL	☒	☐	☒	☐
10	462	468	365	STEEL	☒	☐	☒	☐
10	478	542	365	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe 5'Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation JOHNSON WIRE WRAP

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
432	462	.030		10	S.S.	☒	☐
468	478	.030		10	S.S.	☒	☐
542	552	.030		10	S.S.	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
#6-9 SAND	394	574	27,000	DRY POUR
#8-12 SAND	574	640	12,000	" "

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

229 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

1 1/2" PIPE ON SIDE

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
<u>1700 gpm</u>	<u>142</u>	<u>371</u>	<u>8 hrs</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
24	0	3	TOP SOIL		
	3	5	CLAY		
	5	45	COARSE SAND		
	45	168	DECOMPOSED GRANITE w/SM CLAY LAYERS		
	168	212	FINE - COARSE SAND		
	212	221	BRN CLAY		
	221	223	COARSE SAND		
	223	245	BRN CLAY		
	245	265	FINE-MED SAND		
	265	273	GRANITE		
	273	335	BRN CLAY w/SAND LAYERS		
	335	343	DECOMPOSED GRANITE		
	343	404	CLAY w/SM DECOMPOSE GRANITE LAYERS		
	404	410	FINE SAND		
	410	419	BRN CLAY		
	419	440	WHITE CLAY w/COARSE SAND LAYER		
	440	483	COARSE SAND w/SM CLAY LAYERS		
	483	513	SAND w/SOME CLAY		
	513	541	BRN CLAY, SOME BLUE CLAY		
	541	622	FINE - COARSE SAND w/SM YELLOW CLAY LAYERS		
	622	636	CLAY w/SOME FINE SAND		
	636	641	FINE BLUE SAND		
	641	657	CLAY w/SM SAND LAYER		
	657	674	FINE WHITE SAND SOME CLAY		
	674	690	CLAY w/ SAND STONE LAYER		

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FEB 13 2007

WATER RESOURCES
WESTERN REGIONCompleted Depth 622 (Measurable)Date: Started 12-6-06 Completed 1-23-07

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name RIVERSIDE INC Firm No. 333Principal Driller [Signature] Date 2-8-07and Driller or Operator II [Signature] Date 2-8-07Operator I [Signature] Date 2-8-07Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Company: Layne of Idaho, Inc.
 Name: Mayfield Well
 Date: 04/17/08

Customer: Farwest, LLC.

Order No: 0807-040

**Pump:**

Size: 12CHC (8 stages)

Type: Lineshaft

Synch speed: 1800 rpm

Curve: E6412COPC4

Specific Speeds:

Ns: 2100

Pump Notes for Standard Sizes:

Suction Size-8", 10" Discharge Sizes-6", 8", 10"

Vertical Turbine:

Bowl size: 11.75 in

Max lateral: 1 in

Thrust K factor: 7.5 lb/ft

Search Criteria:

Flow: 1100 US gpm

Head: 600 ft

Fluid:

Water

SG: 1

Viscosity: 1.105 cP

NPSHa: — ft

Temperature: 60 °F

Vapor pressure: 0.2563 psi a

Atm pressure: 14.7 psi a

Motor:

Standard: NEMA

Size: 250 hp

Speed: 1800

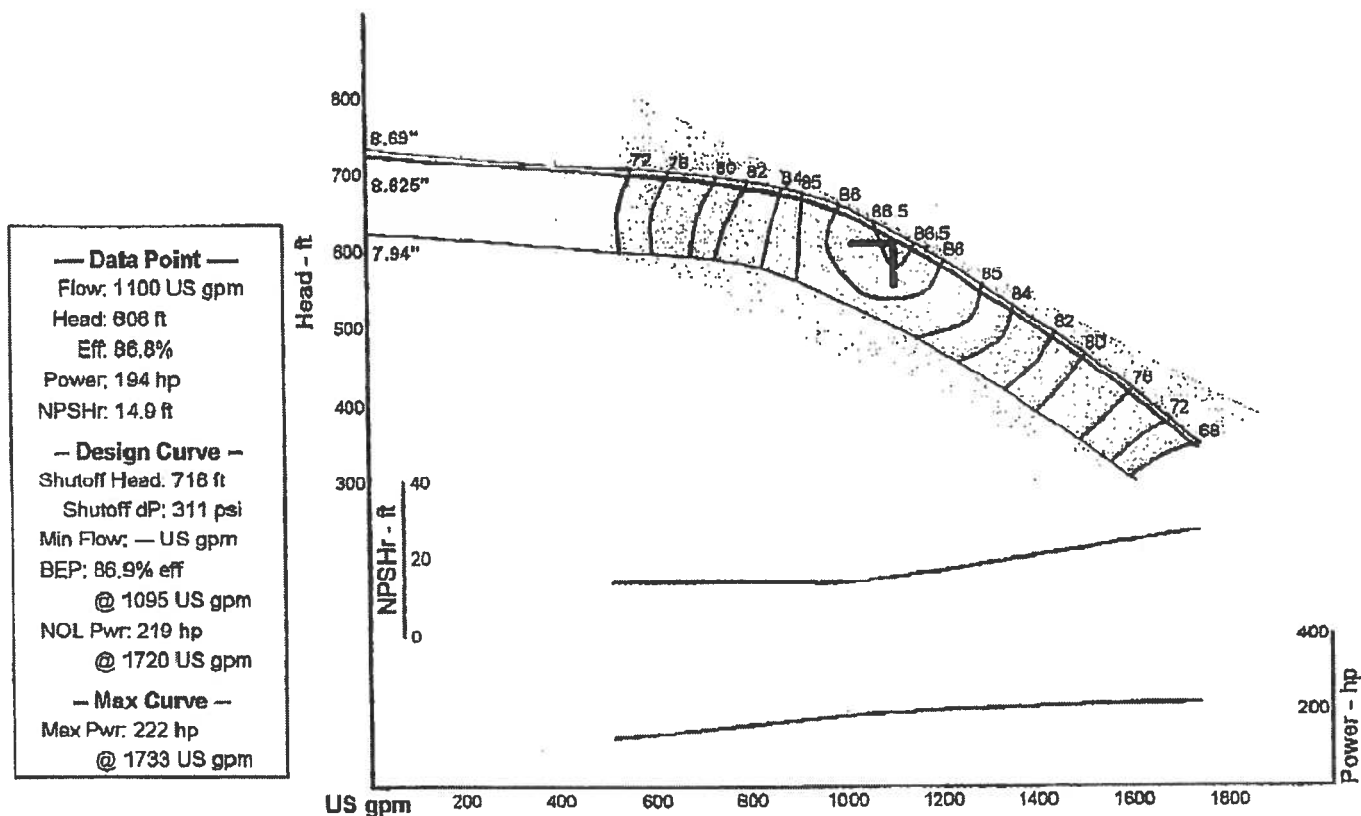
Pump Limits for Standard Construction:

Temperature: 120 °F

Pressure: 340 psi g

Sphere size: 0.73 in

Sizing criteria: Max Power on Design Curve

**Performance Evaluation:**

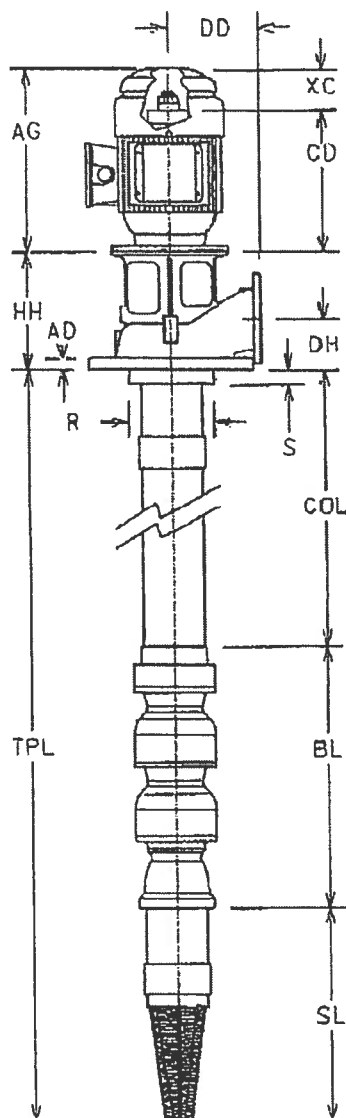
Flow US gpm	Speed rpm	Head ft	Pump %eff	Power hp	NPSHr ft
1320	1770	524	84.4	207	18.6
1100	1770	606	86.8	194	14.9
880	1770	663	84.3	174	13.2
680	1770	684	77.4	147	13.2
440	1770	—	—	—	—

LAYNE
HYDRAULIC ANALYSIS
DWT-CATM
8 Stage 10x12CHC



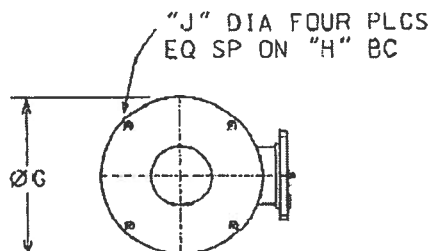
[ERR]

Pump Data



AD:	1.13
AG:	47.81
BD:	20.0
BL:	104.13
CAN:	N/A
CD:	42.66
CL:	N/A
COL:	420.0'
DD:	14.00
DH:	9.25
G:	25.00
H:	22.75
HH:	19.00
J:	0.75
R:	14.60
S:	2.38
SL:	19.00
TPL:	430.3'
UG:	N/A
V:	0.75
W:	
X:	
XC:	5.00
Y:	
Z:	

Size:	12CHC
Stages:	8
Impellers:	Bronze
Bowl:	Cast Iron
BowlShaft:	416SS 1.69"
Lineshaft Bearing:	non-Rubber
LineShaft Matl:	C-1045 1.94"
LineShaft Type:	Enclosed-O/L
Column:	Standard Steel
Column:	10" Threaded
Bearing Spacing:	5 feet
Section Length:	10 feet
Head:	A:Cast
Flange (Disch.):	10" 125#
Inlet:	
Lineshaft Coupling:	C1018
Seal:	O-Ring
Strainer:	Cone
SubBase:	None



DISC HEAD

Hydraulic Data

Flow (gpm):	1100
Pump Head (ft):	248.9
TDH (ft):	606.0
Speed (rpm):	1770
Fluid:	Water
Temperature (F):	60
Viscosity:	1.105
Spec.Grav:	1

Miscellaneous

Thrust At Design:	8927
Thrust At Shutoff:	9767
Min Water Level(in):	4200

Weight

Pump:	28958
Motor:	1725
Total:	30683

Motor Data

Model:	R489
Make:	USEM
HP:	250
RPM:	1800
Type:	RUS
Efficiency:	95.8
Frame:	445TPA
Ratchet:	SRC

ATTACHMENT G
WELL #2 DRILLER'S REPORT, PUMP CURVE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

* PAGE 1 of 2 *

Office Use Only		
Well ID No.	420886	
Inspected by		
Twp	Rge	Sec
1/4	1/4	1/4
Lat:	:	Long:

1. WELL TAG NO. D 0052697
DRILLING PERMIT NO. 904076-85/081
Water Right or Injection Well No. 63-12447

2. OWNER:

Name ARK PROPERTIES LLC
Address 11204 N BAR 21 DR
City GLENN'S FERRY State ID Zip 83623

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 2 North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 24 NW 1/4 SW 1/4 NE 1/4
Gov't Lot _____ County ELMORE

Lat: 43:24:654 Long: 115:55:486
Address of Well Site 1/4 MI. NE OF INDIAN CREEK RD
SLATOR CREEK RD INTERSECTION City MARYFIELD
(Give at least name of road - Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☒ Other REVERSE

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	560	57,500	DRY POUR

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____Was drive shoe seal tested? ☐ Y ☐ N How? _____8. CASING/LINER: 16"x10" REDUCER @ 602

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16	42	602	.315	STEEL	☒	☐	☒	☐
10	612	638	.365	STEEL	☒	☐	☒	☐
10	678	690	.365	STEEL	☒	☐	☒	☐

Length of Headpipe N/A Length of Tailpipe 3'Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation JOHNSON WIRE WRAP

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
602	612	.030		10"	S.S.	☒	☐
638	678	.030		10"	S.S.	☒	☐
690	750	.040		10"	S.S.	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
#8-12 SAND	560	685	12,000	DRY POUR
#6-9 SAND	685	809	15,000	DRY POUR

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

270 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices:
1 1/2" PIPE ON SIDE

12. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
2000	1.29	399	6 hrs

Water Temp. 75 Bottom hole temp. 75

Water Quality test or comments: _____

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
24	0	4	TOP SOIL		X
	4	12	CLEAN		X
	12	33	FINE - COARSE SAND		X
	33	34	BRN CLAY		X
	34	98	FINE - COARSE SAND w/SM BRN CLAY LAYERS		X
	98	115	BRN CLAY		X
	115	126	FINE - MED SAND		X
	126	156	BRN CLAY w/SM SAND STREAK		X
	156	209	FINE - MED SAND w/SM BRN CLAY LAYERS		X
	209	217	SANDY LT TAN CLAY		X
	217	222	COARSE SAND w/PEA GRAVEL		X
	222	237	FINE SAND		X
	237	267	BLUE BROWN CLAY		X
	267	274	SANDY TAN CLAY		X
	274	294	FINE - COARSE SAND, GRAVEL		X
	294	305	BRN CLAY		X
	305	327	FINE BRN SAND		X
	327	352	BRN, TAN CLAY		X
	352	363	COARSE SAND w/PEA GRAVEL		X
	363	365	BRN CLAY		X
	365	445	FINE - COARSE SAND w/SM CLAY LAYERS		X
	445	481	BRN CLAY w/SAND MIX		X
	481	484	FINE - COARSE SAND		X
	484	533	FINE - MED SAND SOME CLAY		X
	533	538	BRN CLAY		X
	538	545	FINE - MED SAND w/CLAY MIX		X
	545	550	BRN CLAY		X
	550	586	GRY CLAY w/FINE - MED SAND LAYER		X
	586	618	FINE - MED SAND w/CLAY MIX		X
	618	624	BRN CLAY		X
	624	626	SANDY BLUE CLAY		X
	626	756	FINE - MED SAND w/SM CLAY LAYERS		X
	756	769	SANDY BRN CLAY		X

Completed Depth 795' (Measurable)Date: Started 4-24-08 Completed 6-12-08

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name RIVERSIDE INC Firm No. 333Principal Driller [Signature] Date 6-16-08Driller or Operator II [Signature] Date 6-16-08

Operator I _____ Date _____

WATER RESOURCES
WESTERN REGION
FORWARD WHITE COPY TO WATER RESOURCES

0. 2008 12:01PM

Pump Data Sheet - Robbco

United Pipe and Supply
Riverside Inc
8/20/2008

Pump set AT
445' 200 HP motor



Size: 12CHE (8 stage)

Type: TURBINE

Synch speed: 1800 rpm

Curve:

Specific Speeds:

Dimensions:

Vertical Turbine:

Speed: 1770 rpm

Dia: 8.6875 in

Impeller:

Ns: 2100

Nss: —

Suction: 8 in

Discharge: — in

Bowl size: 11.75 in

Max lateral: 1 in

Thrust K factor: 7.5 lb/ft

Flow: 1200 US gpm

Head: 550 ft

Water

SG: 1

Viscosity: 1.105 cP

NPSHr: — ft

Temperature: 80 °F

Vapor pressure: 0.2563 psi a

Atm pressure: 14.7 psi a

Standard: NEMA

Enclosure: WP1

Size: 250 hp

Speed: 1800

Frame: 447

Sizing criteria: Max Power on Design Curve

Temperature: 120 °F

Pressure: 340 psi g

Sphere size: 0.73 in

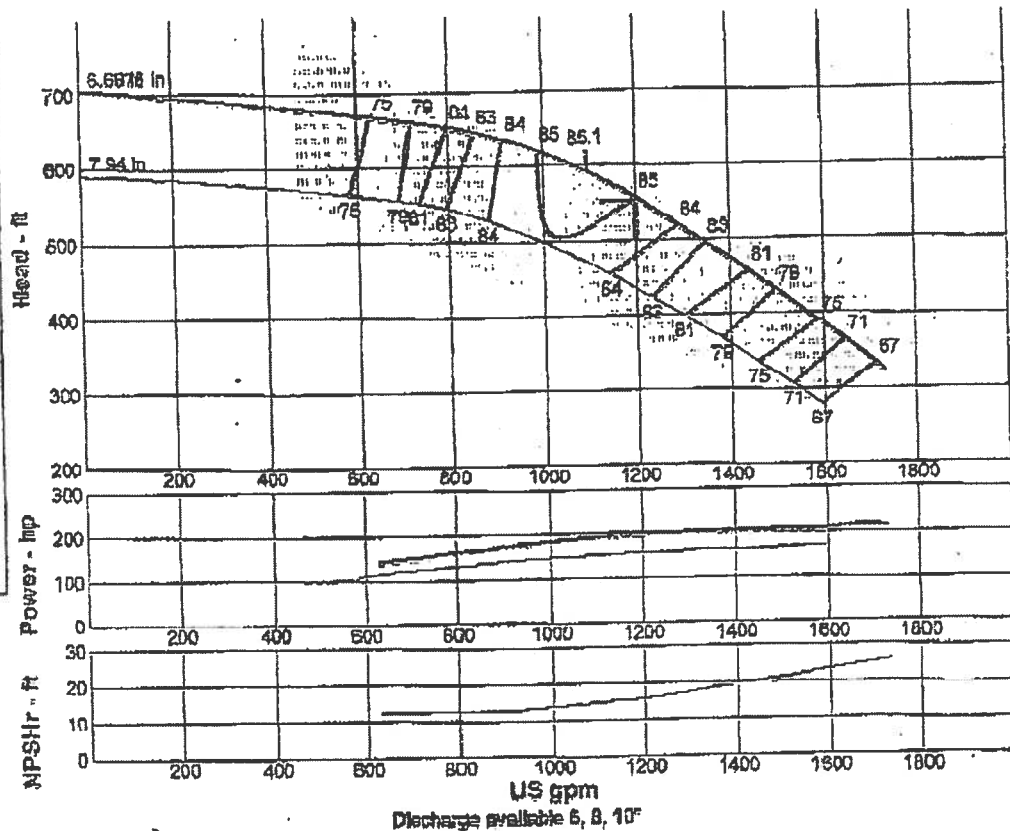
Power: — hp

Eye area: — in²

Flow: 1200 US gpm
Head: 550 ft
Eff: 85%
Power: 198 hp
NPSHr: 15.7 ft

Shutoff head: 704 ft
Shutoff dP: 305 psi
Min flow: — US gpm
BEP: 85.1% @ 1095 US gpm
NOL power:
215 hp @ 1713 US gpm

Max power:
215 hp @ 1713 US gpm



Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1440	1770	458	81	205	20.4
1200	1770	550	85	198	15.7
960	1770	627	84.8	179	13.2
720	1770	660	79.1	152	12.4
480	1770	675	68.3	124	12.4

ATTACHMENT H
PERMIT 63-12447

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 63-12447

Proposed Priority: April 28, 1998

Maximum Diversion Rate:

4.00 CFS

This is to certify, that SAND SPRINGS RANCH & CO
PO BOX 399

FAIRFIELD ID 83327-0399

has applied for a permit to appropriate water from: GROUNDWATER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
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IRRIGATION	03/15 to 11/15	4.00 CFS
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LOCATION OF POINT(S) OF DIVERSION:

SWNE , Sec. 24, Township 01N, Range 04E
NWSW , Sec. 24, Township 01N, Range 04E
SWSW , Sec. 24, Township 01N, Range 04E
SESE , Sec. 24, Township 01N, Range 04E
Lot 2 (SWNW), Sec. 19, Township 01N, Range 05E
ELMORE County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
01N	04E	24	NENE 30.0	NWNE 20.0	SWNE 40.0	
			SENE 40.0	NESW 40.0	NWSW 30.0	
			SWSW 30.0	SESW 30.0	NESE 40.0	
			NWSE 40.0	SWSE 20.0	SESE 20.0	380.0
05E	18	Lot 4 (SWSW)	10.0	SESW 30.0	NESE 30.0	
			NWSE 10.0	SWSE 30.0	SESE 10.0	120.0
	19		NENE 40.0	NWNE 40.0	SWNE 40.0	
			SENE 40.0	NENW 40.0	Lot 1 (NWNW) 40.0	
		Lot 2 (SWNW)	40.0	SESW 40.0	NESW 20.0	
		Lot 3 (NWSW)	20.0	Lot 4 (SWSW) 20.0	SESW 20.0	
			NESE 20.0	NWSE 20.0	SWSE 20.0	
			SESE 20.0			480.0

Total number of acres irrigated: 980.0

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before March 1, 2004.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.

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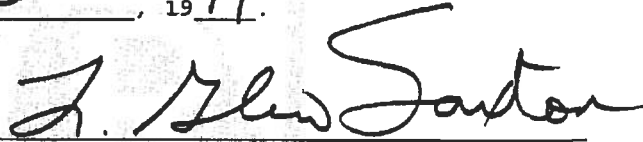
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4. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
5. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the lands above.
6. The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary for this purpose will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
7. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code, any any specific well construction requirements of the drilling permit.
8. This right is limited to the irrigation of 200 acres within the place of use described above in a single irrigation season.
9. Water bearing zone to be is between 400 and 1000 feet.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

10 th day of March, 1999.


for Karl J. Dreher, Director

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APR 14 1998