STATE OF IDAHO DEPARTMENT OF WATER RESOURCES BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 71-10949 Exam Date: 08/28/2019

1. Current Owner:

SALMON FALLS LAND & LIVESTOCK CO INC MICHAEL J HENSLEE 95A BELL RAPIDS RD HAGERMAN ID 83332-6039

2. Accompanied by: Mike Henslee, Permit Holder and Del Oveson, Ranch Manager

Phone No: Mike's cell: 208-539-7252

Address: same as above Relationship to permit Holder:

3. SOURCE:

GROUND WATER

Method of Determination: Visually observed the wells running and water coming out the other end, in addition to consultation with Mike Henslee.

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

Water Right No.	Source	Purpose of Use	Basis	
71-10882	Pole Creek	Stockwater, irrigation	Decree	

Comments: Permit 71-10949 supplements the Pole Creek right in low flow portions of the year in order to have more flow in Pole Creek for the benefit of endangered fish species.

2. Other water rights with the same point-of-diversion: None

C. DIVERSION AND DELIVERY SYSTEM

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NE% SE%, Sec. 15, Twp 07N, Rge 14E, B.M. CUSTER County GROUND WATER NE% SE%, Sec. 15, Twp 07N, Rge 14E, B.M. CUSTER County GROUND WATER SW% NW%, Sec. 23, Twp 07N, Rge 14E, B.M. BLAINE County GROUND WATER SW% NW%, Sec. 23, Twp 07N, Rge 14E, B.M. BLAINE County

Method of Determination: ArcMap aerial imagery, site visit, and information from Mike Henslee.

PLACE OF USE: IRRIGATION

Twn	Rng	Sec		N	E			N\	N			S۱	Ν			SI	E		Totals
1 WP	ixiig	360	NE	NW	SW	SE													
07N	14E	10															2.8	0.6	3.4
07N	14E	14					32.0	31.0	39.0	33.0	31.0	34.0	36.0	31.0					267.0
07N		15	35.0	35.0	40.0	38.0	9.5			38.0	31.0	0.4	10.0	40.0	36.0	35.0	38.0	40.0	425.9
07N	14E	22	27.0	25.0	39.0	33.0	26.0	1.2		15.0					2.5	1.0			169.7
07N	14E	23					23.0	39.0	24.0	14.0		2.2							102.2

Total Acres: 968.2

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PLACE OF USE: STOCKWATER

Two	Rng	Sec		N	E			N۱	N	SW				SE				Totals	
l wb	Kilg	360	NE	NW	SW	SE													
07N		14						Х		Χ		Х	Х						
07N	14E	15				Х									X	Х			
07N	14E	22	Х	Х		Х													
07N	14E	23								X									

Method of Determination: ArcMap aerial imagery, site visit, and information from Mike Henslee.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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

X 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4

Well or Diversion ID No.*	Motor Make	Нр	Drilling Tag Number	Pump Make	Pump Serial No. or Discharge Size
North irrigation		100			
South irrigation		100			
North stockwater		2	D0063413 on casing		
South Stockwater		2	D0062639 on casing		

D. FLOW MEASUREMENTS

1.

	surement uipment	Туре	Make	Model No.	Serial No.	Size	Calib. Date
Flov	v Tracker	Ultrasonic	GE	PT878			March 2019

2. Measurements: Measured each irrigation well and the installed meters read 10-15% higher than the portable meter. When installed, they were on the IDWR approved meter list.

North Well Installed meter: 1881.1 gpm (4.19 cfs) IDWR meter: 1627.3 gpm (3.63 cfs)

South Well Installed meter: 1721.6 gpm (3.84 cfs) IDWR meter: 1556.5 gpm (3.47 cfs)

Permit No 71-10949 Page 3

E. FLOW CALCULATIONS

X Additional Computation Sheets Attached

Measured Method: The maximum observed flow on the IDWR meters was 1556.5 gpm (3.47 cfs) for the south well and 1627.3 gpm (3.63 cfs) for the north well for a total flow of **7.1 cfs**. Straight length of pipe above and below meter was not ideal, but the straight length above and below the installed meters was also not ideal. Will use IDWR meter for licensing purposes. The stockwater wells were not measured, but attached sheets showing theoretical flows from the stock wells demonstrate the potential for each stockwater well to produce 0.07 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

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V_{LR} = (Acres Irrigated) x (Irrigation Requirement) = 968.2 acres x 3 AF/acre = 2904.6 AF

V_{D.R} = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 7.1 cfs x 184 days x 1.9835 = 2591.2 AF

V = Smaller of V_{LR} and V_{D.R} = 2591.2 AF
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2. Volume Calculations for Other Uses:

Stockwater volume calculated as: 1800 cows x 12 gallons/day x 184 days = 3,974,400 gallons/325850 (gal/AF) = 12.2 AF

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 71-10949 was completed on August 28, 2019 with Mike Henslee, vice president of the corporation, and Del Oveson, ranch manager, present. This permit was filed to supplement the existing Pole Creek stockwater/irrigation water right (71-10882) on the Salmon Falls Land and Livestock ranch near Smiley Creek at times of the year when surface water flows are low in Pole Creek, in order to maintain flows for endangered fish in the Salmon River and its tributaries.

Irrigation water is diverted from two wells, with 100 HP pumps on each well, into the inter-connected irrigation system made up of 15 full and partial pivots, plus a few hand lines. The stockwater component of the permit is not diverted from the same wells as were authorized under this permit. During the field exam, Mr. Henslee indicated that the stockwater is diverted from two wells drilled as monitor wells in the vicinity of the irrigation wells. For this reason, the permit will need to be amended to show 4 points of diversion (POD). The place of use for irrigation will be amended at the same time. The stockwater is plumbed separately into two independent systems separate from the irrigation system, so after the permit is amended, the right will be split into two individual stockwater rights (71-11000 and 71-11001) and the original irrigation right, 71-10949.

On the day of the exam, flow rates were checked at each irrigation well with a GE PT878 portable ultrasonic flowmeter. The highest observed flow from the south well was 1556.5 gpm, or 3.47 cfs, while the highest flow from the north well was observed at 1627.3 gpm, or 3.63 cfs. Straight spacing upstream and downstream of the IDWR meter was not ideal, but I placed in meter in the best possible location. Using the installed flowmeters to confirm flow rate was not ideal, either, as the north well lacked the required downstream straight length of pipe. The portable meter reading will be used for licensing purposes. The combination of the two measured flow rates, 7.1 cfs, is recommended for licensing for irrigation purposes. The recommended irrigation volume is 2591.2 AF (see volume calculations in this report). The stockwater wells were not measured, but theoretical calculations show that each well is capable of producing 0.07 cfs, which will be the licensed rate. This rate is higher than the permitted rate, but the additional rate is made available because the licensed irrigation rate was lower than the permitted irrigation rate, so the stockwater and irrigation rates in total are less than the overall permitted rate. Mr. Henslee indicated that the two stockwater wells run approximately equal amounts through the season. When split off, the stockwater rights will be licensed at 0.07 cfs each, with a 0.14

Reviewer_

cfs combined limit. It is anticipated that the stockwater rights will have individual volumes of **12.2** AF, with a combined volume limit of 12.2 AF. Mr. Henslee indicated that between the two systems that the same 1800 head of cattle are rotated back and forth in varying amounts and times through the season (both stockwater rights need to be limited to 12.2 AF total). During the field exam Mr. Henslee used a map to delineate the two stockwater systems and show which wells serve which troughs (see attached map).

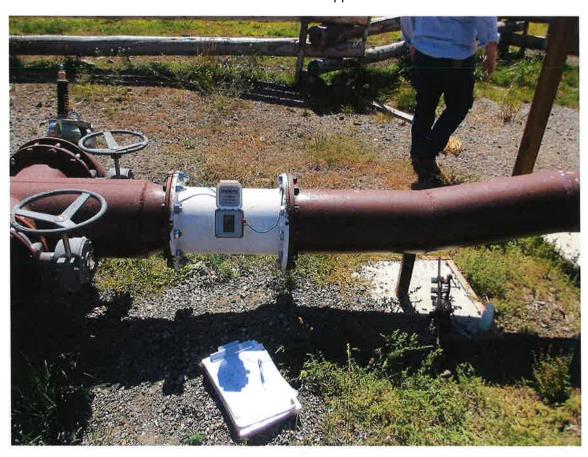
I. RECOMMENDATIONS 1. Recommended Amounts			
Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
RRIGATION	05/01 to 10/31	7.10 CFS	2,591.2 AF
STOCKWATER	05/01 to 10/31	0.14 CFS	12,2 AF
Recommended Amendmen X Change P.D. as reflect X Change P.U. as reflect	oted above Add P.D.	as reflected above	None None

Date



Upper (north) well

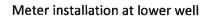




71-10949 Salmon Falls Land & Livestock



Lower (south) well





71-10949 Salmon Falls Land & Livestock



Lower (south) stockwater point of diversion

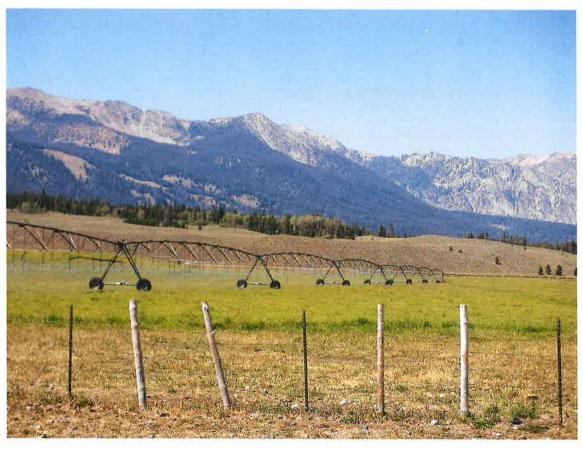




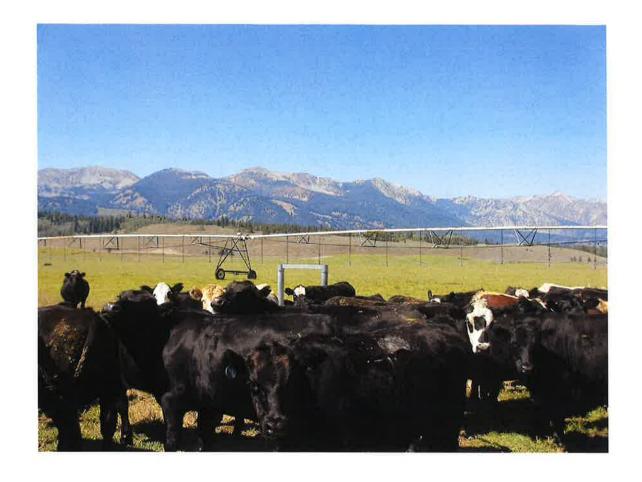
71-10949 Salmon Falls Land & Livestock



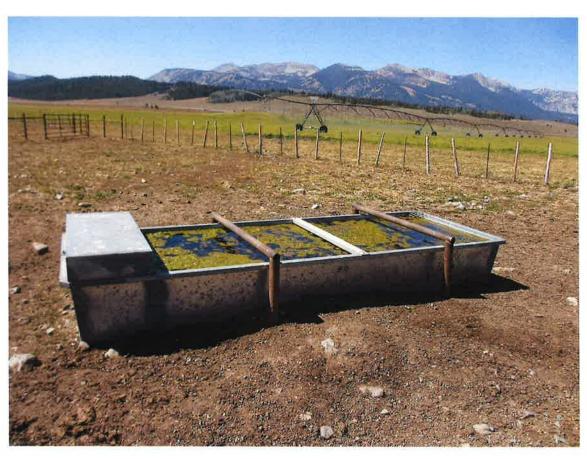
Irrigation place of use



71-10949 Salmon Falls Land & Livestock



Cattle and stockwater place of use



71-10949 Salmon Falls Land & Livestock



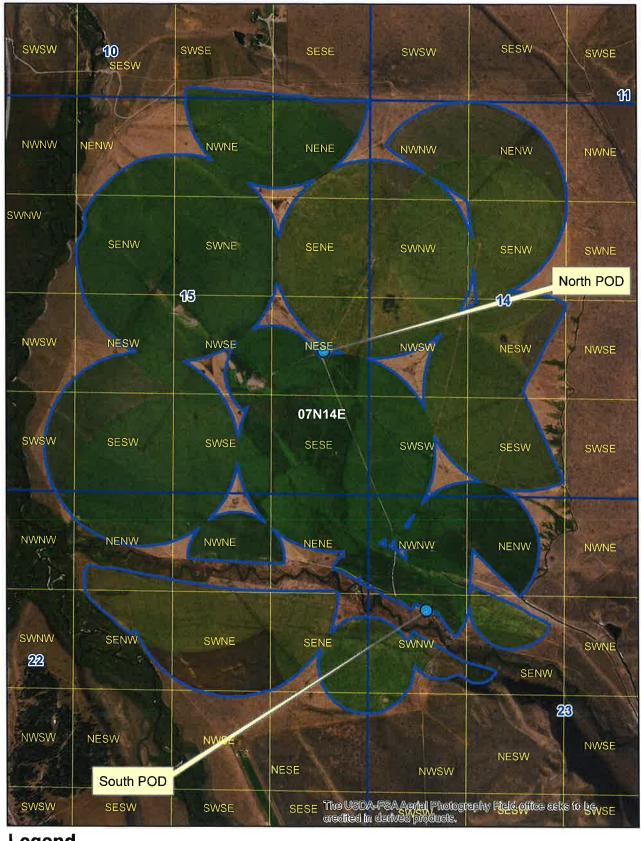
IDWR portable flowmeter reading at lower (south) well.

IDWR portable flowmeter reading at upper (north) well.

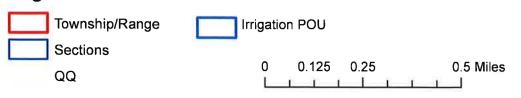


71-10949 Salmon Falls Land and Livestock

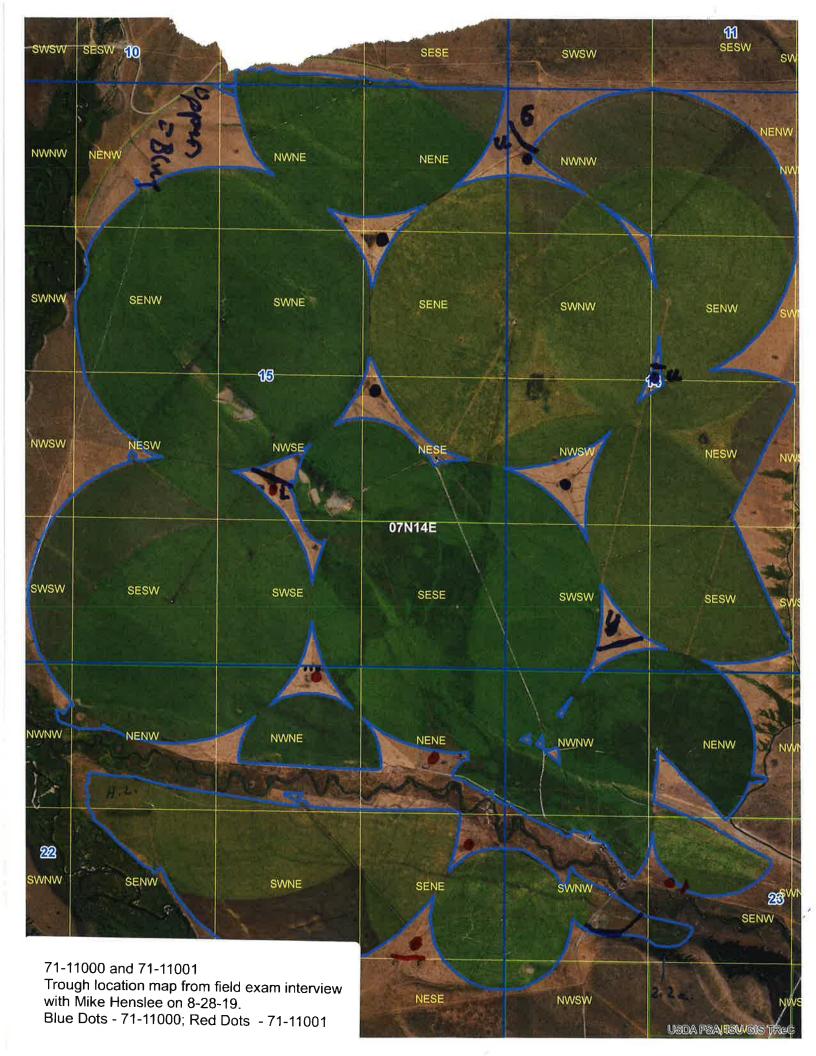
71-10949 Irrigation PODs and POU & System Diagram



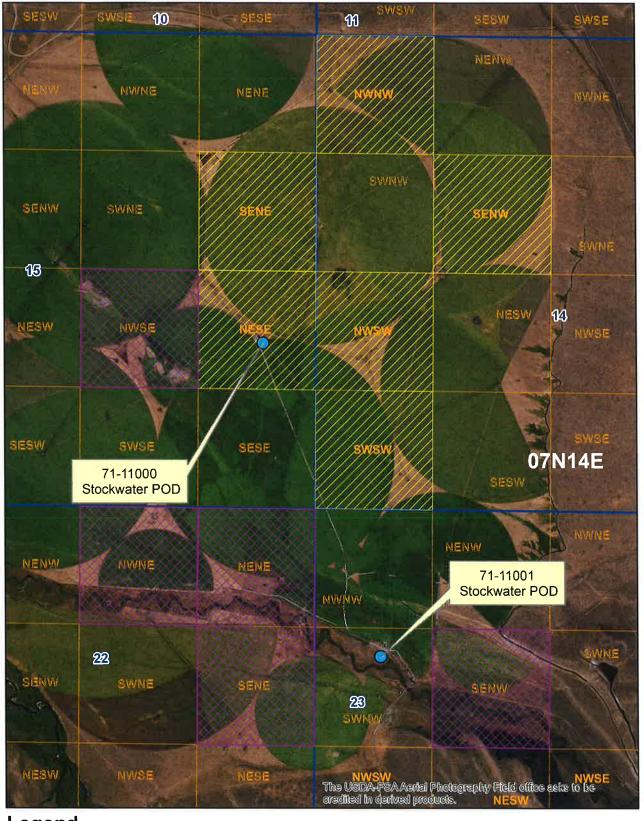
Legend



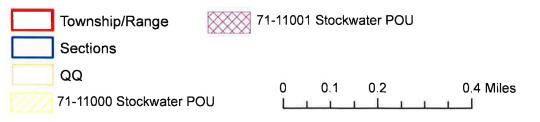




71-11000 & 71-11001 POD and POU Map and System Diagram



Legend





GROUNDWATER THEORETICAL ANALYSIS

	FILE: Sa	lmon Falls Land & Liv	vestock 71-10949
	DATE:	1/8/20)
	BY:	North Stockwa	ter Well
THEORETICAL RATE OF FL	$\mathbf{OW:}\qquad \mathbf{Q}=0$	8.8 X (HP) X (EFF.) TDH	
Q = CFS HP = Total Brake Horsepow Eff. = Pumping plant efficien TDH = Total dynamic head = LIFT = Depth to water in FEE PSI = Pumping pressure mea (8.8) X (2.0	cy (assume 70% [(LIFT) + (PSI I T from land sur asured in PSI ne	or 0.70) X 2.31)] face to pumping water ear pump (if open disc	level harge assume [0])
			12.320
[(56.0)+(50.0 X 2.31)] 115.500	171.500
		Q =	0.072
LIFT FROM: PSI	FROM:	NOTES ON PUMP:	
Owner Owner Area estimate Esti	mate	Motor Make, Serial or Pump Make, Serial or	
REMARKS: HP supplied by permit hold	der		

GROUNDWATER THEORETICAL ANALYSIS

	FILE: _S	ealmon Falls Land &	Livestock /1-10949
	DATE: _	1/8	3/20
	BY:	North Stock	water Well
THEORETICAL RATI	E OF FLOW: Q =	(8.8 X (HP) X (EFF TDH	0
Eff. = Pumping plant TDH = Total dynamic LIFT = Depth to water PSI = Pumping pres	orsepower of pumping t efficiency (assume 70% head = [(LIFT) + (PSI) in FEET from land su sure measured in PSI r	% or 0.70) IX 2.31)] Irface to pumping wanear pump (if open d	nter level
			164.000
[(48.5)+(50.0 X 2.3	31)] 115.500	
		Q =	0.075
LIFT FROM:	PSI FROM:	NOTES ON PUM	IP:
Measurement Owner Area estimate Well Logs Booster	Measurement Owner Estimate Owner Gage	Motor Make, Seria Pump Make, Seria	
REMARKS: HP supplied by	/ permit holder		

Describe control device

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IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WEL	LTAG	NQ. D	700	33	a == 1 c	_		-10	_				LEVEL and WELL T					
Drilling	Permit	No. Of	71	10040	MIC	2-	8.1S	18	<u> </u>	Depth	first wat	er enco	untered (ft) 49'	Static wat	er level (ft	49'		
		ection w	eil # 🔼	-10949						Water	temp. (°	F) Col	Bottom	hole temp.	(°F) Cold	1		50 2
2. OWN	IER:	- C-N-	1 20	1015	t = -1. O	- 1.	-								EL TIES			-
Name	Salmo	n Falls	Lanc	a Lives	TOCK C	o. In	C,			Well to	est:				method:			
Addres	s 95-M	Dell R	apios	Road	- 1.1			000		Draw	down (feet	i) Di	scharge or Test durall eld (ggm) (minutes		Baller	Air	Flow	
City H	agem	an		Sta	ite Id.	?	Zip 83	332		11								
]
Twp. 7	No	rth 🗵	or So	uth 🛮 🔣	Rge. 14	E	ast 🗵	or t	West 🔲				omments:					_
Sec. 15			10 acz es	1/4 N.E	1/4	S.E.	1/4			Bore			and/or repairs or al				101.4.	
										Dia. (in)	From (ft)	To (ft)	Remarks, Hithology or abandonme	description on nt, water tem	if repairs or p.	-	Water	N,
GOVILO	43	0!	ounty <u>*</u>	1	.					25"	0'	13'	Topsoil & gravel	-77		- -	+	X
Lat	11	4 4	7 767	; —	-	(Del	g. and D	acimal m	irrutes)		13'	19'	Grayish gravel			\neg		X
Long	****	au 15	miles	s north o	f Sawto	(Dec	and D	ecimal m	inutes)	18"	19'		Grayish gravel					X
Adoress	or well	Site	1111101	- 110111110	Stanle	21/	Oity				24'		Grayish bolders					x
(Great lead)	name of road	• Distance la	Rand or Use	drawk) City	Otarne	, y					26' 62'		Brown cemented			_ ×	-	
Lot	BI	k	_ Sub.	Name							118'	160	More cemented sa Very cemented sa	and & gra	avei	X	-	
4. USE:		Trini No. 875782					-	160	188	Sand, less gravel,	less can	nented	X	_	-			
Other	estic L	Ilmon Falls Land & Livestock Co. Inc. 15-A Bell Rapids Road eman State Id. Zip 83332 DCATION: North I or South Reg. 14 East I or W. 14 N.E. 1/4 S.E. 1/4 County Custer 43			Injection		188*		Cemented sand w			+-	-	-				
		JDK.			-								streaks		J	X		-
X New	well [Replac	ement v	vell 🗆 M	lodify exis	ting w	ell				194'		Redish brown har			\neg	_	х
Aban	donment	Ot	her								198'	220	Cemented sand &	gravel w	/ith			
			_	—							2201	005	sandy clay			×	_	
					☐ Off	her				16"	220' 235'	255	Less cemented sa Fine to course sar	and & gra	vel	×		
				(h) IOuantity	(Ina or fit)	Pince	na bauma	albodles	marture 1	10	200	231	gravel, muddy bro		ппе	+	- -	_
											257'	260'-	Gravel fine to 3"	74411	_	- X	_	-
		1	-			4112-			-		260'	303'	Fine to course sar	nd. some	fine	 ^	-	
8. CASI	NG/LIN	FR.											gravel, muddy bro	wn		×		
			Gauge/	Mate	erial	Casina	Liner 1	hraadad	l Welded									
18"				-		2000		_	X									
18"						_		=	×		-							
-10	210	233	.575	Office						-		_	DE	051			-	-
													n E	CEL	AFC		+	_
				1			ш	П				-	Cr	70 4 4	0017	_	+	_
Was driv	e shoe u	ised? 🗵	ΙΥ 🗆	N Shoe D	epth(s) 2	35							30	P 1 1	2015		_	_
9. PERF	ORATI	ONSISC	REEN	S:									WATE	R.RESOL	IBCE0			
Perforati	ons 🔲	Y 🗷 N	Metho	od bo									WES	TERN RE	GION			
Manufac	tured sci	reen 🗵	Y 🔲	N Type Jo	hnson '	Vee \	Wire			-						_	_	_
Method o	of installa	ation Pu	II bac	k casing												+-	+	_
From (R)	To (ft)	Slot size	Number			rial	Gai	upe or Sc	chedule		V	0770242475755	202					_
240'	300'	_		(Lacktatest)			1		-	Comple	ted Dept	h (Meas	urable): 303°					_
-			-	-	1	-				Date St	arted: Ju	11 17, 2	Date C	Completed: S	ep 3, 20	15		
	-		_		1	_	+		-	14. DR	ILLER'	S CERT	TIFICATION:			41 - 4 - 10		
Length o	f Handal	17			No of Tall	3	,			the time	e the rig	was ren	mum well construction	stanoaros y	vere comp	lied wit	in at	
Deeker (neaupi	DE	Figu	re K slin	nacke	pipe <u>≃</u> r 54"	lona	16" c	asino	C	Ata	Stev	ens & Sons		Co. No. <u>1</u>	53		
									2011.9	Compa	ny Nan	-	the Str					-
		\neg	n (9)	la		-51		-		*Princip	al Drille	-4	M 0190		Date Sep	6, 20	115	2
Filter	Filter Material From (ft) To (ft) Quantity (lbs or ft ³) Placement method						isthod	*Driller Date Sep						6, 20				
										*Орега	tor II				Date		_	
11. FLO	WING A	RTESI	AN:					A-12		Operate	or I				Date			
Flowing ,	Artesian	Y 🔲 🤉	X N A	Vrtesian Pre	ssure (P	SIG)_							al Driller and do opera	-				

Describe control device

RECEIVED

JAN 0 7 2013

0-1-0-0	69	
1. WELL TAG NO. D	12. STATIC WATER LEVEL and WELL TESTS: SOUTHERN REGIO	URCES
Drilling Permit No. 807434	Depth first water encountered (ft) Static water level (ft)	5
Water right or injection well #	Water terms (°F) 5 2 Bottom hole temp. (°F)	
2. OWNER: Salmon Fallstand & Livestook	Describe access port	
Name	Well test: Test method:	
Address 95-A Bell Kapido Rd.	Drawdown (feet) Discharge or Test duration Pump Baller Air (minutes)	Flowing artesian
city Hagerman state ID zip 83332	1500 24ha B 0	
3.WELL LOCATION:	7300 345	
Twp. 7k North or South Rgs. 15 East or West	Water quality test or comments:	
	13. LITHOLOGIC LOG and/or repairs or abandonment:	
10 8018	Bore From To Remarks, lithology or description of repairs or Dis. (ft) (ft) abandonment, water temp.	Water
Gov't Lot County Blain!	1 (17)	Y N
Lat. 43 •55-23 •63N (Deg. and Decimal minutes)	24 0 5 clay Cobbles	X
Long. 114 0 47 - 26.89 W (Deg. and Decimal mijortes)	24 5 30 garder + Sand	- X
Address of Well Site 1.5 miles north of	20 40 50 Cooles + Gravel	12
Sawboth City city < tomory	20 E7 E9 0 HAR 1 50 0 100	13
(Core If Total Name of road + Characce ID 105ad or Januaria)	30 59 1.2 Jagar Carried	1
Lot Blk Sub. Name	20 103 TO how Block Bun Red Book	XX
4. USE:	20 7000 Comented proved Clay	
Domestic Municipal Monitor Infigation Thermal Injection	20 80 95 Brownclas + gratel	× #
,	20 95 117 Brown Sand 1 colifes	VV
5. TYPE OF WORK: New well Replacement well Modify existing well	21/1/122 Sond + anguel	X X
Abandonment Other	20 122 140 Sand colobles	X
6. DRILL METHOD:	20 140 145 Tobbles gravel	X
Air Rotary Mud Rotary Cable Other	20 145 No.5 Boulders.	X
7. SEALING PROCEDURES:	20165173 Large gravel	XX
Seel material From (ft) To (ft) Quantity (lbs or ft*) Placement method/procedure		XX
Bentomut 0 51 82 bug Outhan	20180 200 cobbles & gravel	X 3
	20 215 200 companied & avel	Ź X
8. CASING/LINER:	20 230 235 compart chave	X
Diameter From To (ft) Geuge/ (nominal) (ft) To (ft) Schedule Material Casing Liner Threaded Welded	20 20 20 Compart grave	21
16' 5 375 Steel D	1 1/2 1 14	
20" D 145 1321 Stor D 7 0 0 1	Pater 5 black	
	1 15 000	
	200	
Was drive shoe used? XY □ N Shoe Depth(s) \$\ \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9	
9. PERFORATIONS/SCREENS:	5 blows	
Perforations Y N Method		_
Manufactured screen XY N Type		
Method of installation		
[Dispertor	2	
From (ii) 10 (ii) Slot size (Numberit (nominal) Material Gauge of Schedule	Completed Depth (Measurable): 225	
195 225 100 14" 35.	Date Started: \\-\3\-\2\ Date Completed: \(\(\frac{1}{2} - 7 \)	12
	14. DRILLER'S CERTIFICATION:	
	I/We certify that all minimum well construction standards were complied	with at
Length of Headpipe Length of Tailpipe	the time the rig was removed.	117
Packer Y N Type	Company Name Mt West Well Milling Co. No. 5	75
10.FILTER PACK:	*Principal Dellas M. of 1200 p. 11	17-1
Filter Material From (ft) To (ft) Quantity (lbs or ft ²) Placement method	*Principal Driller Michael Factore Date Lat-	1/-1-
The material Tronger To (ii) Quantity (iiis of it.) Pacetifent method	*Driller Date	
	*Operator II Date	
11. FLOWING ARTESIAN:	Operator I Date	
Flowing Artesian? TY N Artesian Pressure (PSIG)	* Signature of Principal Driller and rig operator are required.	

Describe control device _

IDAHO DEPARTMENT OF WATER RESOUR WELL DRILLER'S REPORT

Location Corrected by IDWR To: T07N R14E Sec. 23 SWSENW By: mciscell 2013-10-21

. WELL T	AG NO	00 מ .כ	62639					12. ST	ATIC W	ATER	LEVEL a	nd WELL TESTS	S:		
Drilling Per	rmit No	8639	46										ic water lavel (ft) 56	ı	
								Water	temp. f ⁰ F	')		Bottom hole	temp. (°F)		
. OWNER								Descrif	ne acces	s port V	Vell Car	5	temp. (⁰ F)		_
Name Sa	lmon	Falls	Land &	Livesto	ck Co.,Inc.			Well to		a por			Test method:		
Address 9	5-A E	Bell Ra	pids R	oad	ID Zip				down (feet)		charge or	Test duration	Pump Baller Al		lowing
City Hage	ermai	n		State	ID Zir	83332				100+	ald (gpm)	(minutes)		_ di	rtesian
.WELL LO	OCATI	ON:		0.0.0						1.00					\exists
			- C		_ 14			Water	quality te	st or co	mments:		W		(TET.)
wp. 23	_ 140131		r Soum	SW	ge. 14 Eas	SIEN OF WE	ist 🗀	13. LIT	HOLOG	IC LOG	and/or i	repairs or aband	fonment:		
iec. <u>20</u>			10 micros	40 acres	1/4 160 acres	_1/4		Bore Dia.	From	To	Remar	ks, lithology or desc	ription of repairs or	Wi	ater
Sov't Lot _		Co	unty Cus	ster				(In)	(fl)	(ft)	ļ	abandonment, wa	iter temp.	Υ	N
at 43		۰5	5:23.63		(Den	and Decimal min	iles)	10	0	40					
ong 114		047	:26.89		(Deg. Sawtooth c	and Decimal min	ites)	6	40	250					-
ddraeg of	Well Si	1.5	Miles n	orth of	Sawtooth c	ity	(45)	0	0	40	cand a	ravel,trace cla	<u> </u>	_	X
duless of	Well O			City	Stanley				0	40		arge gravel 1'-			1^
live of least name	e of road + t	Distance to H	sed of Landhar	City_					40	67		ravel,trace clay		X	\vdash
ot	Blk.		Sub. Na	me					70			arge gravel 1'-			1
. USE:	_				_				67	93		clay, gravel m		X	-
Domesti	ic 🔲	Municipa	i 🗵 Mo	nitor 🔲	Infigation 🔲	Thermal 🔲 i	njection		93			sand, pea gra		X	+
Other									115			sand & Gravel		X	
TYPE O	F WO	RK:		Пма	dify existing wel				122			Trace sand		X	
Abandor	∥ ∐i nment	□ Oth	er er		ally existing wei	1			148			ompacted large	e boulders	Х	
DRILL N									164	172	Large (Gravel		Х	
			otary [Cable	Other				172	182	Small (Gravel, Trace	Sand	Х	
SEALIN									182				tracebrown clay	X	
Seal ma		From ((t) To (tt)	Quantity (ii	bs or It') Placer	nent method/proc	edure		207			Gravel H20		X	
Bento	nite	0	40	2000	Ibs Annul	ar			216			n Gravel H20		X	
									228	250		ompacted grav	/el, some mix	X	
. CASING	3/LINE	R.									Volcan	ic Rock			
Diameter nominal)			Gauge/	Materi	al Casing	Uner Threaded	Welded								_
			.250 S	Stool	14,7000077		×				-				-
-		-240	.230	21661								dans Anno	The Mark of A. Y. Coulo. Mr.	_	-
								-	-		-	- R 1	CEIVED		-
									_		_		•	-	-
											+		16 2 2 2012		+-
Vas drive s	shoe us	sed? X	Y DN	Shoe De	pth(s) -248'					-	+			-	-
. PERFO									1		1		THEE RECIDES	:5	1
erforation												-35/8	a a manager in the second second second		
											1				
			Y X N	Туре			-								
dethod of i		tion													
Fram (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Sci	redule	Comp	loted Dec	th /lifen	surable):2	50		-	
	250'	1/4x2	10	6"	Steel	.250		Cump	A	ua 12	2012		Aug 14 30	12	_
		,,,,,,,							Started: A				_{npleted:} Aug 14, 20	14	
				-							RTIFICAT		mala sula sua en		4
									certify tha ne the rig			ii construction sta	ndards were complie	d with	n at
ength of h	, ,				th of Tailpipe _				-	•		ot Drilling/KC	24	3	
Packer 🔲	YX	и Туре						Comp	any Nan	10	Perion	nt Drilling/KC			
O.FILTER	R PAC	K:						*Princ	ipai Orille	er Ko	their	1~:	Date Aug	14, 20	012
Filter M	laterial	From	n (ft) T	o (ft) Qu	antity (lbs or ft3)	Placement m	athod			,	0		Date Aug		
		\neg						*Drille	ir	-	//	y	Date nug	2	312
										7	11 6	1.00			
								*Oper	rator II 🔙	N	LU	11	Date	_	

* Signature of Principal Driller and rig operator are required.

STA

Form 238-7 6/07

IDAHO DEPARTMENT OF WATER RESOURCES OCT 2 5 2013

WELL DRILLER'S REPORT

DEPT. OF WATER RESOURCES SOUTHERN REGION

WELL TAG NO.	D 006	33413							12, ST.	ATIC W	ATER L	EVEL a	nd WELL TES	TS:	i i culor		
Orilling Permit No.	87012	26							Depth f	irst water	encour	tered (ft)	48.5 s	tatic water le	vel (ft) 48.	5	_
Vater right or injecti	on well	#							Water t	emp, (°F)		Bottom ho	le temp. (°F)	49		_
OWNER: Mike	Hens	lee							Describ	e access	port V	ell Cap	0		·		
Name Salmon F	alls L	and 8	& Lives	tock Co.	INC				Well te					Test met			
Address 95 A Be	ell Ra	pids F	Road						Drawd	lown (feet)		harge or d (gpm)	Test duration (minutes)	Pump	Baller Air		gniwo
City Hagerman	111111111111111111111111111111111111111		Sta	te ID	_ Zip	833	32				300+	- Labority	60			[
WELL LOCATIO	N:										1					1 1	
vo. 7 North	⊠ or	Sout	hП	Rge. 14	Eas	st 🖂	or W	est 🗍	Water o	quality te	st or co	nments:				_	
wp. 7 North ec. 15	_		1/4 NE	1/4 S	E	1/4		_		HOLOGI	CLOG	and/or	repairs or aba	indonment:			
		10 mores	40 er	269 ' '	160 acres	→'''			Bore Dia.	From (ft)	To (ft)	Remar	rks, lithology or de abandonment,	scription of re	pairs or	Wat	_
iov't Lot et. 43 ong. 114 ddress of Well Site	Co	unty Ct	uster						(ln) 10	0	40	-	and it is the second	weter temp.		Y	N
_{at.} 43	<u>• 55</u>	5 57.2	8		(Deg.	and Dec	cimel min	rtes)	6	40	280					\rightarrow	
ong. <u>114</u>	047	43.89	9		(Deg.	and Dec	cim ai mini	ıtes)	-	0		Coarse	gravel,boul	ders and f	fines	\rightarrow	X
ddress of Well Site	_e 1.5 l	Miles	North c	of Sawton	oth C	City				25			very coarse				X
OUTES OF VASIL SE			Cit	, Stanley	,			-		35		Boulde		3	-		X
en History of and a Di	Miles id Ri	esw Lass	(WA)	,						38			Medium Gr	avel			X
ot Blk, _		Sub. N	ame					-		40	68	well ro	und coarse	sand/coars	se grave	Х	
. USE: Domestic D N	Auniala-	, ঢা:	Appiter 1	☐ Imicotice		The	a. 🗀	Intention		68	71	Boulde	er			Х	
Other	numcipa	11 121 16	nonitor [IIIIgation		HIGHI	a	Hijection		71			e Sand & Gr			X	
TYPE OF WOR	5K·									73			e to Med Sa		clay	Х	
New well		ment we	A 🔲 Ile	Modify exist	ng we	ll.				82			e sand & Me			X	
Abandonment					-					100			e sand & fine			Х	
. DRILL METHO	D:									112			ounded fine o		rse sand	X	1
Air Rotary 🔲	Mud F	lotery	Cable	a 🔲 Oth	er					132			m to fine gra			X	_
SEALING PRO	CEDU	RES:								140			e sand & find			X	1
Seal material							athod/pro	cedura	_	158			coarse grave			X	+
Bentonite	0	-40	7 140	00 Lbs A	ınnu	ıar			-	164	-		e sand & fine		Provol.	X	╀
										173		1	e sand & fine e sand & ver			X	╁
CASING/LINE	R:								-	193			coarse grave			x	+
Olameter (nominal) From (ft)	To (ft)	Gauge/ Schedule	Me	terial (Casing	Liner 7	Threaded	Welded		197			coarse grave			X	+
	280'	.250	Steel		X			X		1.07	100		trong clay	111/00010	o Garra	<u> </u>	+
			4	-						199	200		o Medium sa	and & fines	S	X	+
	_		-							200			and to silts w			X	\top
\rightarrow										213	220	fine sa	and to silts			X	
										220	227	fine to	coarse san	d & silts		X	
Was drive shoe us	sed? 🗵	g y 🗆	N Shoe	Depth(s)	280					227	260	fine s	ands and Me	edium Gra	vels	X	
9. PERFORATIO	NS/SO	REEN	S:							260	268		o coarse san	d w/less (Gravels	X	
Perforations Y	/ XI N	Math	od							268	270					X	
Manufactured scre										270	280	Coars	se sand & M	edium Gra	avels	X	
		1 , 121	id iAbo									-					
Method of installa	tion					.,						1				1	1
From (ft) To (ft)	Slot size	Numbe	r/fil Diame (nomin		ertel	G	auge or S	chedule	Com	pleted De	oth (Mea	surable):					
								(1)	Date	Started: (Oct 4, 2	2013	Date	Completed: C	ct 10, 20	13	
										DRILLER				Completed.			_
						_							vell construction	standards v	vere compli	ed with	h at
Length of Headpi	ne .	1	1.5	angth of Tai	Inice				the t	ime the r	ig was r	emoved.					-
:				ingulor rai	ihihe				Com	nanu Ma	Ind	epend	ent Drilling/l	(C	Co. No. 34	13	
Packer Y X			-		_		_		Con	ірвіту гла	_	۸					043
10.FILTER PAC									*Prir	cipal Dri	ler 🎉	باط	as As A		Date Oct		
Filler Malerial	Fn	om (ft)	To (ft)	Quantity (lbs	or ft³)	PI	acement	melhod	*Dril	ler 🔑	lle	4 Q	Sodas/	ery-	Date Oct	10, 20	013
									*Op	erator (I			· ·		Date		
11. FLOWING	ARTES	IAN:							One	rator I _					Date		
Flowing Artesian			Artesian	Pressure (F	PSIG)				•			inai Deiti	ler and rig ope	rator are re-	-		
- · · - · ·				V	- /				31	gnature	OI LLILL	ווזט נשקו	ופו מוות נולו מ16	1201 414 161	yuneu,		