STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIC		Permit No: <u>63-34048</u>	
 Does this qualify for an in a. Irrigation of 5 b. Storage of up c. Any use other d. Other 	n-office field exam (IDAPA 035.02 acres or less to 14.6 AF for stockwater purp than irrigation or storage, if the	<pre>2.r)? X Y N oses only e combined diversion rate i</pre>	Exam Date: 6/19/2020
2. Current Owner: Name: I Owner o Address If N	Dean Snyder f Record Correct? X Y of Record Correct? Y o: Address	N	
 Beneficial Use Fees have <u>SOURCE</u> Groundwater 	been paid: <u>X</u> Y_N	Receipt No: C108896 IBUTARY	
Method of Determination:	GIS and Taxlot Data		
Change in Source:		_Y <u>X</u> N	
B. OVERLAP REVIEW			
1. Other water rights with the sa	ame place of use: <u>YES</u>	Overlap	
Water Right No. Source Purpose of Use Basis			

Water Right No.	Source	Purpose of Use	Basis	
City of Meridian Rights	Groundwater	Municipal	Various	
United Water Idaho Inc.	Various	Municipal	Various	
Boise Project Board of Control	Various	Irrigation	Various	
USA acting thru Bureau of Reclamation	Various	Irrigation	Various	
Boise Kuna Irr. Dist./New York Irr. Dist.	Boise River	Irrigation	Decreed	

Comments: The above mentioned water rights do not directly overlap this permit. They are for municipal and irrigation use by various entities which cover large places of use. The applicant's property is in Meridian, ID so the municipality and large POU's for the irrigation companies is how the water rights are indirectly related.

2. Other water rights with the same point of diversion: X NO Overlap

Water Right No.	Source	Purpose of Use	Basis	
NONE				

Comments: No water rights or permits overlap with the POD.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt.								
	Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	(County
Groundwater	5		NW	NE	28	03N	01E	B.M.	ADA
								B.M.	
	1							B.M.	

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Method of Determination: GIS and Taxlot data.

Change in POD? X N Amendment Required? X N

2. PLACE OF USE: Use: Irrigation

-	DOF	6	-	N	IE			NW		SW			SE				Tatala		
IWP	RUE	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
03N	1E	28		2.6															2.6
		Lot #																	
				1												Tota	l Acres	-	2.6

Method of Determination: ArcMap/GIS

Change in POU? X N Amendment Required? X N

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

Indicate weir size/pipe as applicable.

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

Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Нр	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well tag No. D0040334					

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

D. FLOW MEASUREMENTS

1.Measurement Equipment	Туре	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: No measurement is possible for an in-house exam.

E. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Theoretical: 0.03 cfs X 2.6 acres= 0.078

Using 2019 NAIP aerial imagery, it is evident that only 2.6 acres permitted have been irrigated in a pasture area on the northern end of the property. Administrative processing memo # 17 allows 0.03 cfs/acre for irrigation under 5 acres.

2.6 acres when multiplied by the authorized 0.03 cfs/acre equates to 0.078 cfs. This is rounded to 0.08 cfs.

Permit allowed = 0.12 cfs

Recommended = 0.08 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

/ = (Acres Irrigated) x (Irrigation Requirement) = 2.6 X 4.5 = 11.7 af

V = [Diversion Rate (cfs)] x (Days in Irrigation season) x $1.9835 = 0.12 \times 260 \times 1.9835 = 61.9 \text{ af}$

V = Smaller of V and V = <u>11.7 af</u>

2. Volume Calculations for Other Uses: N/A

G. PURPOSE OF USE

Irrigation XY_N #3	Stock	Domestic # of Ho	mes	
Other:				
Change in Purpose of Use?	Y <u>X</u> N			
Method of Determination: Taxlo	ot data and GIS			
If Yes: From Use	_To UseA	Amount	_CFS	_AFA

H. NARRATIVE/REMARKS/COMMENTS

This permit is gualifies for an in-house exam. The property is located in Meridian, ID south of East Victory Road. The city has numerous existing municipal water permits and licenses. Because this permit is in the city limits, these municipal water permits and rights indirectly overlap with this permit. Similarly, various other water rights owned by the United States acting through the Bureau of Reclamation, United Water Idaho Inc., Boise Project Board of Control and Boise Kuna Irrigation District/New York Irrigation District indirectly overlap the permitted place of use (POU). However, there are no water rights that directly overlap with the POU or POD of this permit.

Along the western edge of the permitted POU, is a ditch that carries drainage/irrigation water. According to the original application filed by Dean Snyder, the access point to this ditch had been blocked by a neighbor. At the time of filing, Mr. Snyder also indicated that the water in the ditch was managed by the New York Irrigation District. The *Irrigation Companies* layer in ArcMap shows the property is within the New York Irrigation District boundary. Mr. Snyder was granted access to the ditch by another neighbor but the cost to construct the diversion works across property lines was estimated to be too expensive. Therefore, Mr. Snyder decided to appropriate groundwater with a new well on his property in order to irrigate pasture on the Northern end of his property. The priority date of this permit is March 6, 2015.

The well was completed on February 2, 2016 by Adamson Pump & Drilling and is associated with tag No. D0070334. It was drilled in the NWNE QQ of Section 28 in Township 3 North, Range 1 East. The well is on Mr. Snyder's property at 3199 South Selatir Place on parcel No. R1078420020. According to the drillers report, the well has a diameter of 6 inches and is capable of supplying 150-200 gallons over 120 minutes This equates to 75-100 gallons per minute and when converted to cfs, the well is capable of supplying at least 0.16 cfs (9gpm=.02 cfs, so 75 gpm/9gpm=8.3 and 8.3X.02=.16cfs).

According to Department records, there are another 2 wells at the permitted POU. One well drillers report lists the address at 4255 E victory Rd. Meridian, ID. This address is two parcels to the east of the permitted POU, across S. Selatir Place. The drillers report for the other well lists the same address of this permit. This domestic well was completed on 10/31/1992 for Ken Stahn and is associated with drilling permit number 63-92-W-0941-000. Ada County parcel records from 4/8/2020 show that the home on the property was constructed in 1993. It is reasonable to presume that this well was drilled in order to provide water for the occupant(s) of the home at the time it was built.

The original application included an explanation from Mr. Snyder regarding his intent to irrigate 3 acres for pasture. When reviewing 2019 aerial imagery, a total of 3.2 acres were observed to have been irrigated on the property. This included 2.6 acres of pasture area and perimeter shrubs on the northern end of the property as well as approximately 0.6 acres of grass/lawn on the south side of the home. I called Mr. Snyder on 6/29/2020 to clarify the extent of irrigation under this permit. He stated that only the pasture and border shrubs on the north end of his property are irrigated under this permit/system. Additionally, the system does not supply water to the lawn on the south side of the home or the garden area just north of the driveway. Therefore, the permit will only be licensed for 2.6 acres associated with the pasture area.

It is evident from aerial imagery before the permit was established, that the lawn on the south side of the home had been irrigated. IDWR records do not show any established domestic water applications, permits or rights on the property. Idaho Statute 42-111 describes domestic uses and exemptions. Under this statute, a single domestic use from groundwater can irrigate up to 0.5 acre without a water right. As stated above, roughly 0.6 acres were observed to have been irrigated south of the home in addition to the acres irrigated under this permit. Although this is just above the .05 acre authorized under the domestic exemption, the irrigated acres are simply estimated using aerial imagery. It is reasonable to categorize these acres under the domestic exemption since .06 is close enough to the .05 acre limit.

The diversion under this permit is within IDWR Administrative Basin 63. Although Water District 63 is established and active, this district does not administer groundwater rights.

Conditions 1 and 2 will be removed from the permit, as is standard. I will also remove conditions 3 (26A) and 4 (046) since they both relate to drilling of a new well and are not necessary on the license. Condition 5 (121) will be changed to 103 as is standard. I will leave conditions 6 (X59) and 7 (R69) as they are still pertinent to the license. Conditions 8 (260) and 9 (261) will be removed since surface water is not used at the POU. I added condition X60 to designate the place of use.

Have conditions of permit approval been met? X Yes No

I. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Irrigation	03/01 to 11/15	0.08 CFS	11.7 AF
	Totals:	0.08 CFS	11.7 AF
2. Recommended Amend	iments		
Change P.D. as reflec	ted aboveAdd P.D. as ref	lected above <u>J</u> None	

Change P.U. as reflected above	Add P.U. as reflected above	<u></u> None
Change P.U. as reflected above	Add P.U. as reflected above	

Other:

J. AUTHENTICATION

Field Examiner's Name_	Alex Doglarsh	Date	6	130	/2020	_
Reviewer	Ptime	Date	6	3-	120	_

Irrigo	ition
wel	1

Da

Form 238-7 6/07 103

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0070334	12. ST	ATIC W	ATER	LEVEL and WELL TESTS:			
Drilling Permit No. 9711049 - 8777010	Depth	first wate	ar encou	Intered (ft) 36' Static water level (ft)	36'		
Water right or injection well #	Water temp. (°F) 56° Bottom hole temp. (°F)						
2. OWNER:	Descri	be acces	I troo a	Well Cap			
Name Dean Snyder	Well te	st:		Test method:			
Address 3199 S. Selatir Place	Drawe	town (feet)	Dis	charge or Test duration Pump Baller	Air F	lowing	
City Meridian State ID Zip 83642	8	34'	150-	200 120 minutes	X		
3.WELL LOCATION:	-						
Two 3 North X or South C Roe 1 East X or West	Water	quality te	est or co	omments:			
Sec. 28 1/4 NW 1/4 NE 1/4	13. LIT	HOLOG	IC LOG	and/or repairs or abandonment:	-		
10 mores 40 ecres 160 mores	Bore Dia.	From	To	Remarks, lithology or description of repairs or	W	ater	
Gov't Lot County Ada	(in)	0'	A*	Topsoil	- - <u>*</u>		
Lat. 43 • 34.444 (Deg. and Decimel minutes)	10"	4'	36'	Sand and Gravel	+	+÷	
Long. 116 • 20.562 (Deg and Decimal minutes)	10"	36'	54'	Sand and Gravel	+ x	+^	
Address of Well Site 3199 S. Selatir Place	10"	54'	105	Tan Clay w/Sand Strips	X	-	
City Meridian	10"	105'	207	Sand - Some Gravel	X		
(Give at least name of road + Unitance to Road or Landmark)	10"	207'	216'	Tan Clay	1	X	
Lot Bik, Sub. Name	10"	216'	227'	Gravel	X		
4. USE:							
Other							
5 TYPE OF WORK							
X New well Replacement well Modify existing well	-						
Abandonment Other						-	
6. DRILL METHOD:	-					-	
Air Rotary X Mud Rotary Cable Other			-				
7. SEALING PROCEDURES:	-			DEC	+		
Seal material [From (it) To (it) Quantity (ibs or it')] Placement method/procedure				RECEIVE		-	
Compating 20' 100' 2012 lbs Dump					1-		
		-	-	FEB (1 8 2016		+	
8. CASING/LINER:					1-	-	
(nominal) From (II) To (II) Schedule Material Cesing Liner Threaded Welded				WATER RESOURCES	1	1	
6" +2 20' .250 Steel 4 .250 Steel				COLEHN REGION		-	
6" 20' 120' CL200 PVC 🛛 🗹 🖾 🗆						T	
					-		
Was drive shoe used? Y X N Shoe Depth(s)						-	
9. PERFORATIONS/SCREENS:					-	-	
Perforations I Y X N Method				And			
Manufactured screen 🗵 Y 🔲 N Type Certa-Loc					+	+	
Method of installation Set with Main Line	-		-			+	
Com (4) To (5) Statules Numberst Dismeter Maladel Course of School do	-			221'		L	
(nominal) Material Gauge of Schedule	Comple	ted Depl	th (Meas	surable): ZZ I			
120 220 25 N/A 6 PVC CL200	Date S	larted: Ja	in 15, 3	2016 Date Completed: Feb 2, 201	i 6		
	14. DF	ULLER'	S CER	TIFICATION:			
	I/We c	ertify tha	t ell min	imum well construction standards were compl	ied with	at	
Length of Headpipe Length of Tailpipe	(ne lim	e the rig	was re				
Packer IY X N Type	Сотра	any Nam	e Ada	mson Pump & Drilling Co. No 4	57		
10.FILTER PACK:	*Ponci	nal Drille	OA	and and success have Feb	5, 201	6	
Filler Material From (tt) To (ft) Quantity (ibs or ft ²) Placement method	1 mil	A	1	A A A A A A A A A A A A A A A A A A A	5 204	-	
6-9 Sand 120' 220' 2200 lbs Trammie Dina	*Driller	_6	m	Date red	5, 201		
	*Opera	toli		Date			
	-	0-	0,	a a cill Eah	5 201	6	
11. FLOWING ARTESIAN;	Opera	lor I	100	Date Date	0, 201	<u> </u>	
Flowing Arlesian? I Y IN Arlesian Pressure (PSIG)	• Sign	ature of	Princip	pal Driller and rig operator are required			
Describe control device			10				

	Name Ken Stans Domestic W	د¥ €	static w	ater lev	vel <u>42</u> feet below land surface.						
	Address 3199 S. Selatur to (Meridian)	Flowing? Ye Pro G.P.M. flow									
	Dellies Developing (2-92-14/2-094/-000	Artesian closed-in pressure ρ.s.i. Controlled by: □ Valve □ Can □ Plug									
		Γ	Temperature °F. Quality Describe artesian or temperature zones below.								
	Water Right Permit No.	L									
2.	NATURE OF WORK	8. WELL TEST DATA									
	<i>I</i> New well <i>I</i> New well <i>I</i> Well diameter increase <i>I</i> Modification										
	Abandoned (describe abandonment or modification procedures	0	lischarg	e G.P.M.	Pumping Level Hours I	Pumped					
	such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)		736F	<u>~1</u>	Shis	•					
3.	PROPOSED USE						_				
	Domestic Irrigation Monitor	9. LITHOLOGIC LOG 80002									
	Industrial Stock Waste Disposal or Injection	Bore	De	pth	Matarial	Wa	ater				
	Other (specify type)	Diam.	From	To	Material	Yes	No				
4.	METHOD DRILLED	16	0	2	Hood Q		1				
		1	4	31	Sandy Gravel		-				
			31	35	Dry Sand		~				
	(backhoe, hydraulic, etc.)		35	55	Sandy Gravel		-				
_			55	40	Sanda Gravel	-					
5.	WELL CONSTRUCTION	-+	60	84	Coarse Sand Some Pro Gravel						
	Casing schedule: 12 Steel Concrete Other	H	61	112	Sandy Brown Clay	4					
	Thickness Diameter From To	1	112	116	Muddy Sand	~					
	154 inches 5 inches 4/3 feet 134 feet	6	116	135	Coarse White Sand & Gravel	-					
	<u></u>										
	Was casing drive shoe used? If Yes	<u> </u>		<u> </u>			-				
	Was a packer or seal used? U Yes I Yes					<u> </u>	-				
	Perforated?				12 - 110-110						
	How perforated? Factory Knife Iorch Gun Size of perforation?										
	Number From To										
	perforations feet feet					-					
	perforations feet feet						-				
	perforations feet feet		-								
	Manufacturer American Tune Stainline Steel		-		••••••••••••••••••••••••••••••••••••••		+				
	Top Packer or Headpipe //3/#						_				
	Bottom of Tailpipe135 pt						-				
	Diameter 5 Slot size 30 Set from 124 feet to 133 feet					-					
	Diameter Slot size Set from feet to feet			10			-				
	Gravel packed?	<u> </u>	-		Contraction of the second seco		+				
	Placed from teet to teet	1000	100	24		-	1				
	Surface seal depth // Material used in seal: D Cement grout				MAR 1 C 1593						
	LJ Bentonite @ Puddling clay	AUG	00	100-1	spertment of Water Resources						
	☐ Temp, surface casing		40	1993	Western Regional Office	1.00	1				
	Method of joining casing:										
	Solvent Weld Cemented between strata	10.			5						
	Describe access port	· · · · · · · · · · · · · · · · · · ·	Work !	started.	10/23/92 finished 10/31/0	72					
6.	LOCATION OF WELL	11.	ORILL	ER'S C	CERTIFICATION	11- 1					
	Sketch map location must agree with written location.		I/We c	ertify t	that all minimum well construction stand	ards v	were				
	Subdivision Name		compli	ed with	n at the time the rig was removed.						
	W Bridle Wood Sub.		Firm N	lame 🛓	Soise Volley Pumpa Firm No. 207						
	I I I I ANIA 7 Dianta Xia /				· · · · · · · · · · · · · · · · · · ·						