

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 57-11686

Exam Date: May 6, 2013

1. Current Owner: JASON MEADE
6037 DUNLAP RD
MARSING ID 83639
(208)896-5187
meadejason@yahoo.com

2. Owner of Record Correct? X Y ___ N
Address of Record Correct? X Y ___ N

Remarks:

3. **SOURCE**

Groundwater

Method of Determination: discussion with owner

Change in Source:

TRIBUTARY

none

 Y X N**B. OVERLAP REVIEW**1. Other water rights with the same place of use: X NONE

Water Right No.	Source	Purpose of Use	Basis

Comments: There is a domestic well for indoor use

2. Other water rights with the same point of diversion: X NONE

Water Right No.	Source	Purpose of Use	Basis

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater			NE	NW	28	3N	4W	B.M.	Owyhee

Method of Determination: Conversation with the permit holder and aerial photography

Change in POD? Y X N Amendment Required? Y X N

2.

PLACE OF USE:

PLACE OF USE:		IRRIGATION																	
Twp	Rge	Sec	NE				NW				SW				SE				
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	Totals
03N	04W	28					3.7												3.7
Total Acres:		3.7																	

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____

Other: none

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: Conversation with the permit holder and aerial photography

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

The Meade property receives water from the Gem irrigation district. They receive about 20 inches but they are the end of the system and they often don't receive all their water. What is delivered is often of poor quality. The southern half is in furrow irrigation, supplied by surface water. The supplemental groundwater is applied using gated pipe. The irrigation well is close to the middle of the property. The northern half of the property is irrigated using well water with sprinklers.

There is also a domestic well near the house, which is in the northwest corner of property. The domestic well serves the house but doesn't really produce enough to water the lawn. According to Mr. Meade the irrigation well is a 40 gpm, 3 hp pump. The domestic well has a 1/2 hp pump that produces 10 gpm.

Have conditions of permit approval been met? ☒ X Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
IRRIGATION	3/1 to 11/15	0.1 CFS
<u>Totals:</u>		0.1 CFS

2. Recommended Amendments☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ X None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ X None

Other: none

J. AUTHENTICATIONField Examiner's Name Spencer Thiel Date May 8, 2013Reviewer Greg L. Smith Date 5/30/13

State of Idaho
Department of Water Resources
Water Right License
57-11686

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters



0 Miles
0.125

GROUNDWATER THEORETICAL ANALYSIS

FILE: 57-11686

DATE: May 6, 2013

BY: Sandy Thiel

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

Q = CFS

HP = 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 [0])

$$Q = \frac{(8.8) \times (3) \times (0.70) = 18.48}{[(32) + (40 \times 2.31)] = 124.4} = 0.15$$

<u>LIFT FROM:</u>	<u>PSI FROM:</u>	<u>NOTES ON PUMP:</u>
Measurement ()	Measurement ()	
Owner ()	Owner ()	
Area estimate ()	Estimate (X)	
Well Logs (X)	Owner Gage ()	
Booster (Y) (N)		

REMARKS:

The static water level listed on the well log from May 2, 2006 is 32 feet

40 PSI estimate for small irrigation systems

57

Form 238-7
6/02IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

839061

Office Use Only	
Well ID No	409407
Inspected by	
Twp	Rge Sec
1/4	1/4 1/4
Lat: : : Long: : :	

1. WELL TAG NO. D 0031007

DRILLING PERMIT NO. _____

Water Right or Injection Well No. _____

2. OWNER:

Name Jason MeadeAddress 3067 Dunlap Rd.City Marsing State Id Zip 83639

3. LOCATION OF WELL by legal description:

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

Twp 03 North ☒ or South ☐Rge 04 East ☐ or West ☒Sec 28 NW 1/4 NE 1/4 NW 1/4Gov't Lot _____ County Owyhee

Lat: : : Long: : :

Address of Well Site Same as above

City _____

(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 _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Perma Plug	0	6	200#	In annular
Bentonite				Space

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
10"	1'6"	44'6"	25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Torch Cut

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
26'	45'	1/8	380	10"	Steel	☒	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

32 ft below ground Artesian pressure _____ lb

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

Well Cap

12. WELL TESTS:

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
75	1	33	3
75	3	35	1

Water Temp 65

Bottom hole temp _____

Water Quality test or comments: 15 grains 5 ppm NitratesDepth first Water Encounter 32

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology Water Quality & Temperature	Y	N
14	0	3	Soil		X
14	3	5	Brown Clay		X
14	5	6	Hard Pan		X
10	6	32	Multicolor Gravel & Sand		X
10	32	47	Multicolor Gravel & Sand	X	

RECEIVED
MAY 03 2006
WATER RESOURCES
WESTERN REGION

Completed Depth 46' (Measurable)Date: Started 2 Apr. 2006 Completed 5 Apr 06

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 Gary Duspiva Well Drilling & Development Firm No 395Principal Driller Gary Duspiva Date 2 MAY 06and Driller or Operator II Anc Duspiva Date 2 MAY 06

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

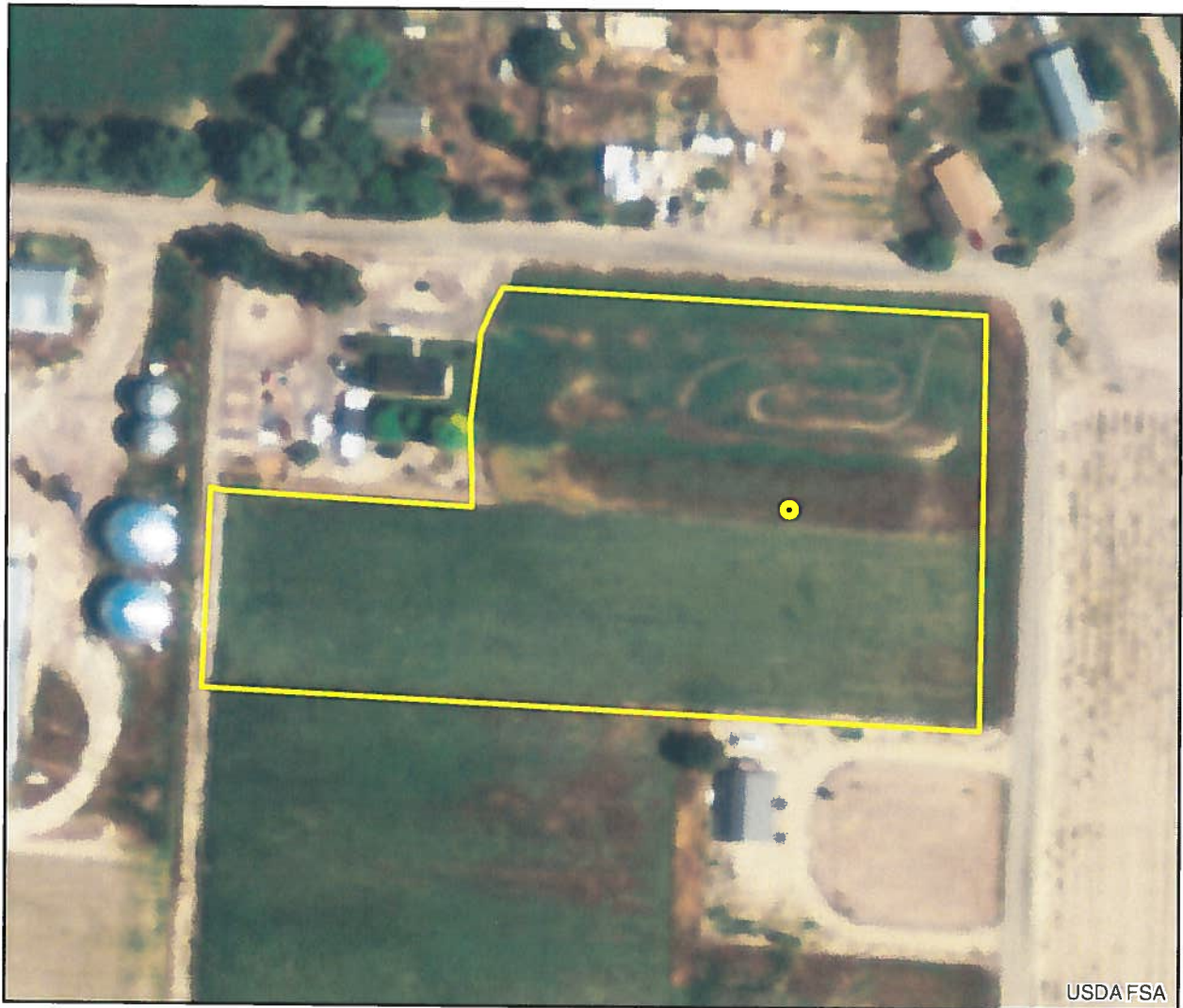
FORWARD WHITE COPY TO WATER RESOURCES

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04W

03N



USDA FSA

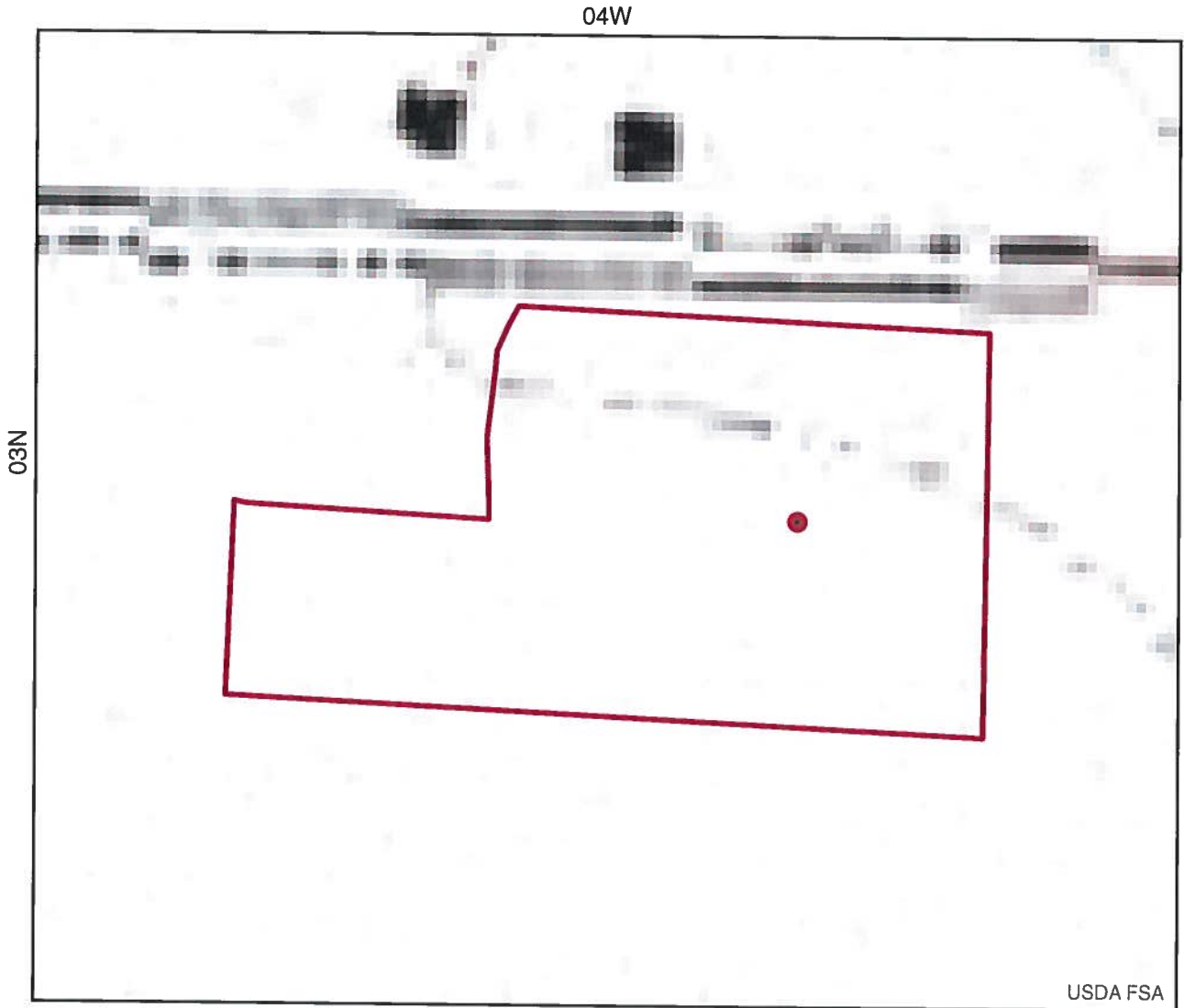
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- Place Of Use Boundary

