

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-31631
Exam Date: 10/26/2012

1. Current Owner: FULFER PROPERTIES LLC
2350 W MCMILLAN RD
MERIDIAN ID 83646
(208) 870-5991
2. Accompanied by: Kelly Fulfer
Phone No: (208) 870-5991
Address: Same
Relationship to Permit Holder: Property Owner and Gravel Operation Manager

3. SOURCE TRIBUTARY
GROUND WATER N/A

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-31724
2. Other water rights with the same point of diversion: 63-31724

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4NW1/4 Sec. 24, Twp 02N, Rge 01E, B.M.
ADA County

Method of Determination: GPS Location N43° 30.003' W116° 17.286' Garmin model GPSmap 76 Datum NAD 83

2. PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
02N	01E	24					X	X											

Method of Determination: Bing (2011) Aerial Photography w/ field verification.

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

4. Well or Diversion ID No.* Motor Make Hp Motor Serial No. Pump Make Pump Serial No. or Discharge Size
WC Tag D0030955 unknown-submersible 7.5 unknown Goulds Model # 40GS75 – 2" discharge

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

D. FLOW MEASUREMENTS1. **Measurement**

Equipment	Type	Make/Model No.	Serial No.	Size	Calib. Date
No physical measurement @ exam	N/A	N/A	N/A	N/A	N/A

See Flow Calculations Section below for Theoretical HP Equation & Pump Curve Flow Estimations.

2. Measurements: Piping from well not suitable (buried) for polysonic measurement.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Theoretical HP Equation:

HP = 7.5

PSI = 40 (est. system used for domestic type use - office)

Z = 250 ft [pump @ 260 ft (6.5 sections PVC pipe @ 40 ft/section - per pump installation receipt attached) – est. pumping level 10 ft above pump depth for small (<10 hp) system]

$Q = (8.8 \times 0.7 \times \text{HP}) / [Z + (2.31 \times \text{PSI})] = (8.8 \times 0.7 \times 7.5) / [250 + (2.31 \times 40)] = 0.13 \text{ cfs}$ est. capacity of pumping system

Measured Method: Pump Curve (attached):

TDH ≈ 340 ft [per HP Equation est. above $[250 + (2.31 \times 40)]$] → $Q \approx 57 \text{ gpm} = 0.13 \text{ cfs}$ est. pump capacity

Theoretical HP Equation est. capacity of pumping system = **0.13 cfs**

Pump Curve est. pump capacity = **0.13 cfs**

Permitted Rate = **0.04 cfs**

Beneficial Use Limit ≈ 0.02 cfs [office – toilet 5 gpm + sink 5 gpm = 10 gpm] + 0.05 cfs [dust abatement – fill 2500 gallon truck in ~ 2 hours] ≈ **0.07 cfs**

Proof of Beneficial Use fee paid = \$50.00 = up to **0.20 cfs**

Recommend Permitted Rate = 0.04 cfs

Highest rate allowable based on permitted rate. Theoretical HP equation & pump curve system capacity estimations indicate system capable of 0.13 cfs. System capable of producing enough rate for both this right (0.04 cfs) and overlapping right 63-31724 (0.06 cfs). No combined rate limit condition(s) required.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: **N/A**

2. Volume Calculations for Commercial Use: **N/A for I.C. §42-111 type use**

System capable of diverting up to 30.9 afa ($0.13 \text{ cfs} \times 120 \text{ days/yr operation} \times 1.9835$) under normal operating circumstances. No volume recommendation required for this right; however diversion is limited to 2500 gpd under this right per permit condition. System capable of diverting enough water for this right ($2500 \text{ gpd} \times 120 \text{ days/yr operation} \times 1 \text{ af}/325,850 \text{ gal} \approx 1.0 \text{ afa}$) and right 63-31724 (11.3 afa). No combined volume limit condition(s) required.

G. NARRATIVE/REMARKS/COMMENTS**SYSTEM DESCRIPTION & POU SHAPES:**

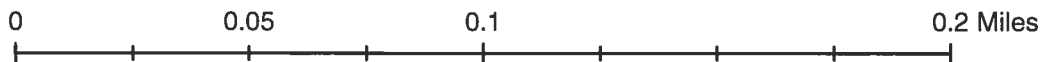
System consists of a 6 in dia well with 2 in pitless adaptor (discharge) piped to a 1.5 in mainline diverts water to main faucets for filling water trucks for dust suppression at gravel operation. A 1 in line of the mainline diverts water to office facility with sink and toilet for approximately 3 employees. Power to well with dedicated Idaho Power meter #36-208-693. The commercial use shape drawn depicts office, water faucets used to fill trucks, and area water used for dust suppression.

COMMERCIAL USE:

Commercial use under this right is used for the office and dust abatement at the gravel operation. When the

63-31631 Beneficial Use Field Report System Diagram & Map

R01E

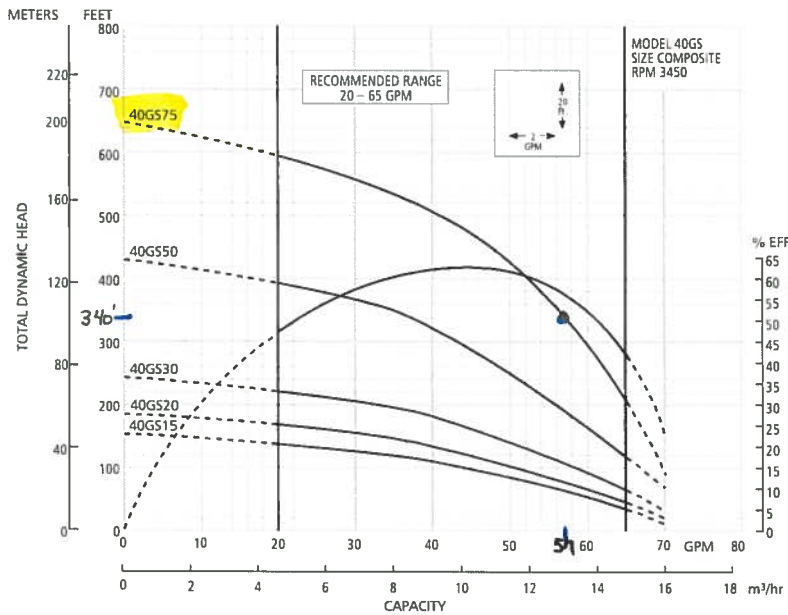
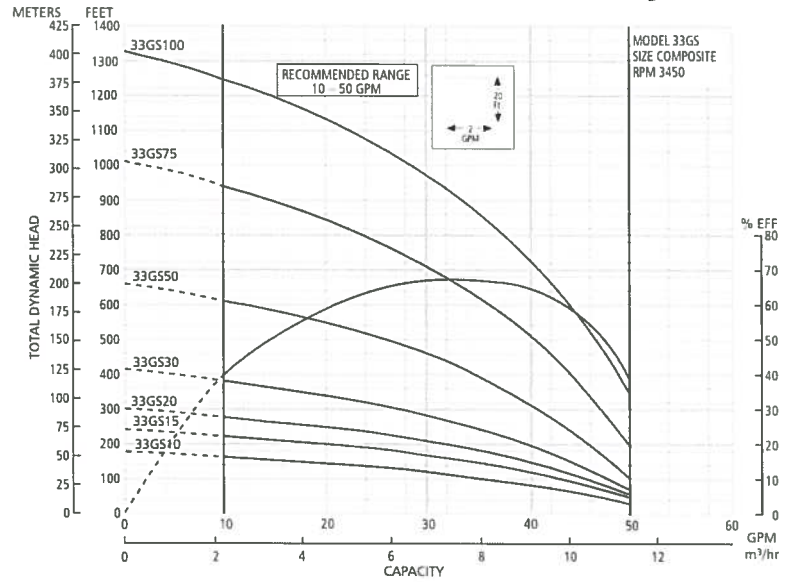


-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters



GOULDS PUMPS Residential Water Systems

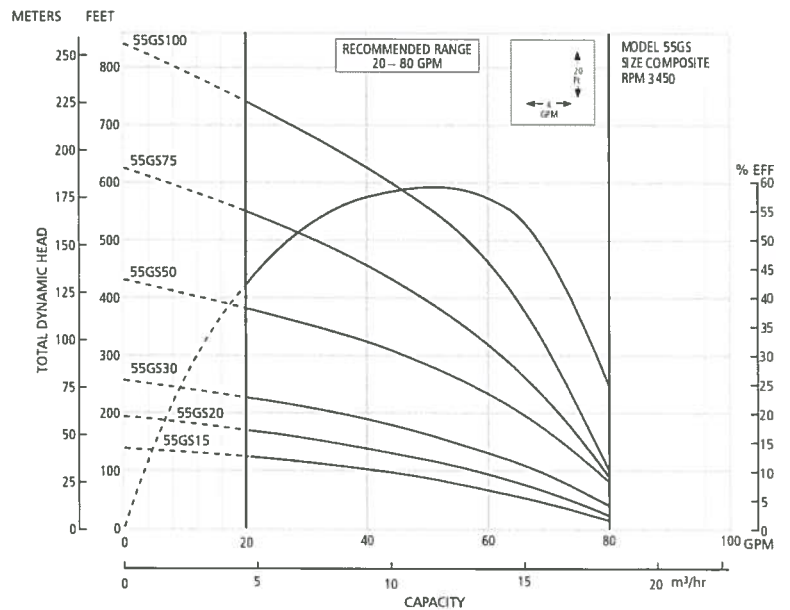
Model 33GS



Model 40GS

$Q \approx 57 \text{ GPM} \approx 0.13 \text{ CFS}$

Model 55GS



Model 40GS

SELECTION CHART

Horsepower Range 1½ – 7½, Recommended Range 20 – 65 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	440	480	520	560	600	640		
40GS15	1½	0		65	59	53	46	35																						
		20	58	51	43	31																								
		30	50	41	28																									
		40	40	25																										
		50	22																											
		60																												
Shut-off PSI			57	49	40	31	23	14																						
40GS20	2	0			63	58	53	47	38	25																				
		20	61	57	51	44	35																							
		30	56	50	43	33																								
		40	49	42	31																									
		50	40	29																										
		60	26																											
Shut-off PSI			71	62	53	45	36	27	19	10																				
40GS30	3	0				63	59	56	51	47	41	33	20																	
		20	65	62	58	54	50	45	38	32	30																			
		30	61	58	54	49	44	37	28																					
		40	57	53	48	43	36	26																						
		50	52	48	42	35	24																							
		60	47	41	33	21																								
Shut-off PSI			97	88	80	71	62	54	45	36	28	19	10																	
40GS50	5	0						65	64	62	60	58	56	53	51	48	45	42	38	33	26									
		20				65	63	61	59	57	55	52	50	47	44	41	36	31	23											
		30			64	63	61	59	57	54	52	50	47	44	40	36	30	21												
		40		64	62	60	58	56	54	52	49	46	43	39	35	29	20													
		50	64	62	60	58	56	54	51	49	46	43	39	34	28															
		60	62	60	58	56	53	51	48	45	42	38	33	26																
Shut-off PSI			178	169	161	152	143	135	126	117	109	100	91	83	74	65	57	48	39	31	22									
40GS75	7½	0										65	64	63	62	61	60	59	57	56	54	53	49	44	38	30				
		20									65	64	63	62	61	59	58	57	55	54	52	50	48	43	37	28				
		30								65	64	63	62	61	59	58	57	55	53	52	50	48	45	40	32	22				
		40							65	64	63	62	60	59	58	56	55	53	51	49	47	45	42	36	27					
		50					65	64	62	61	60	59	58	56	55	53	51	50	47	45	42	39	31	20						
		60			65	64	63	62	61	60	59	57	56	54	53	51	49	47	44	41	38	35	25							
Shut-off PSI			271	263	254	245	237	228	219	211	202	194	185	176	168	159	150	142	133	124	116	107	90	72	55	38				

S.O.S. Well Drilling & Pump Co., Inc.

23797 Boehner Road

Wilder, ID 83676

E-mail: soswelldrilling@qwestoffice.net

(208)888-3610

INVOICE

DATE	INVOICE #
6/8/2004	9683

BILL TO
QUALITY SAND & GRAVEL PO BOX 455 MERIDIAN, ID 83642 PO# 362-7477

JOB ADDRESS
KELLY FULFER 870-5991 HOLLY HATTAN 631-9491 8445 TEN MILE CREEK RD, KUNA

W.O. NUMBER	TERMS	DUE DATE	REP
P-081-04	Net 12	6/20/2004	FS

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
1	ABBDRI550	ABB DRIVE 550 SERIES 460V	2,836.56	2,836.56
1	40GS75	Goulds 40GPM 7 1/2HP Wet End	1,742.17	1,742.17
1	712HP460V3PH...	7 1/2HP 460V 3Ph Motor	1,497.62	1,497.62
322	123SubWG	12-3 Sub Cable W/Ground	0.68	218.96
327	123UFWG	12-3 UF Wire w/Ground	0.40	130.80
1	SpliceKit	4 Wire Splice Kit	4.73	4.73
315	2GTCPipe	2" Galv. T&C Pipe	3.39	1,067.85
7	12VGPipe	1/2" Vanguard Pipe	0.83	5.81
1	2PAdapter	2" Pitless Adapter	181.49	181.49
1	2CValve	2" Brass Check Valve	97.04	97.04
1	WM01	WellMate Pressure Tank	74.08	74.08
6.5	114PVCS80Cond	1 1/4" PVC Schedule 80-Conduit	1.52	9.88
1	PressGauge	Pressure Gauge	3.35	3.35
1	3434PRValve	3/4" X 1/2" Pressure Relief Valve	6.07	6.07
2	114PVCConduit	1 1/4" Schedule 40 PVC Conduit	0.83	1.66
1	12VGPipe	1/2" Vanguard Pipe	0.83	0.83
1	3414BHBushing	3/4" x 1/4" Brass Hex Bushing	2.50	2.50
1	134BHBushing	1" X 3/4" Brass Hex Bushing	1.79	1.79
1	24BNipple	2" X 4" Brass Nipple	11.36	11.36
1	2B90Elbow	2" Brass 90 Elbow	11.57	11.57
2	34GPlug	3/4" Galv. Plug	1.10	2.20
1	1114BManifold	1-1 1/4" Brass Manifold	40.41	40.41
9	Labor (2)	Labor 1 Man w/Pumprig (Per Hr)	65.00	585.00

It's been a pleasure working with you!

Total

\$8,533.73

IF PAYMENT IS NOT RECEIVED WITH IN 30 DAYS OF BILLING, A SERVICE CHARGE OF 3% PER MONTH WILL BE CHARGED, AND AFTER 60 DAYS A LIEN WILL BE PLACED ON PROPERTY WHERE WORK WAS PERFORMED.

63-31631 Beneficial Use Field Report Photos



63-31631 Exam 10/26/2012: POD well facing south/southeast.



63-31631 Exam 10/26/2012: Faucets used to fill water truck in gravel pit facing north.

Grimm, Angie

From: Kelly Fulfer [Kelly@superiorconstruction.cc]
Sent: Thursday, November 29, 2012 2:47 PM
To: Grimm, Angie
Subject: FW: Emailing: Jerry001
Attachments: Jerry001.PDF

Would you please look at the attachments and let me know if this is all the information you need? If this works I will get the paperwork and the filing fee mailed to you.

Sorry it took so long, really appreciate your patience.

Kelly Fulfer

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

ASSIGNMENT OF PERMIT

To change the ownership of a permit

I, Kelly and Brenda Falter, hereby assign to Falter Properties, LLC
Current owner(s) New owner(s)
 of, 2350 W. McMillan Rd Meridian, ID 83646 570-5591
New owner's address including city, state and ZIP Phone

All my right, title, and interest in and to Permit No(s): 63-31631 to appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to Permit Number(s):

_____, to appropriate the public waters of the State of Idaho.

Describe in detail the portion of the permit assigned, listing the number of acres in each 40 acre subdivision, point of diversion location, and amount of the water in cubic feet per second.

Does the new permit holder own the property at the:

Point of diversion? ☒ Yes ☐ No

Place of use? ☒ Yes ☐ No

If no, describe the arrangement enabling the new owner to access the point of diversion and/or the place of use:

Dated this 28 day of November, 2012.

Kelly Falter
 Permit holder Title (if applicable)

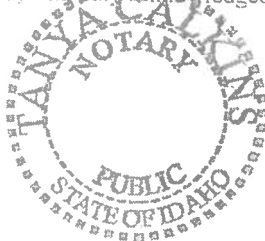
Brenda Falter
 Permit holder Title (if applicable)

State of Idaho)

County of Ada)ss

On this 28 day of November, 2012, personally appeared before me the signer(s) of the above instrument, who ~~did~~ acknowledged to me that he/she/they executed the same.

SEAL



Tanya Callahan
 Notary Public

My commission expires: 8-23-2014

S.O.S. Well Drilling & Pump Co., Inc.

23797 Boehner Road

Wilder, ID 83676

E-mail: soswelldrilling@qwestoffice.net

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It's been a pleasure working with you!			Total	\$8,533.73

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Grimm, Angie

From: Grimm, Angie
Sent: Tuesday, November 27, 2012 9:53 AM
To: 'kelly@superiorconstruction.cc'
Subject: FW: Well Motor & Pump Info Request

Kelly,

Good morning! Thought I'd send you a quick email to ask if you've had a chance to find the motor and pump information I requested during the field exam for your water right permit 63-31631 (well use @ your gravel operation off Ten Mile Rd in Boise). Also, if you're still considering filing the Assignment of Permit form I left with you during the exam to put the water right permit into the name of Fulfer Properties LLC (to match Ada County Taxlot ownership records) prior to licensing. I realize it being the holiday season everyone is busy busy, so there's no rush really. I just wanted to send a quick email to follow-up and see if you were able to find any information or if there are any questions I can answer for you. Please feel free to respond to this email or give me a call. Thank you for your attention to this matter and I look forward to your response.

Thanks,
Angie

Angela M. Grimm, P.G.
Water Resource Agent, Sr.
IDWR - Western Region
2735 Airport Way
Boise, ID 83705-5082
(208)334-2190 phone
(208)334-2348 fax

From: Grimm, Angie
Sent: Friday, October 26, 2012 2:50 PM
To: 'kelly@superiorconstruction.cc'
Subject: Well Motor & Pump Info Request

Kelly,

First I'd like to thank you for taking the time to meet with me this morning and show me your gravel facility's water system. As promised, here's an email outlining the information I'd like about your motor and pump:

Motor Make
Motor Hp(horse power)
Motor Serial No.
Pump Make
Pump Model No.
Pump Serial No.
Pump Depth in Well

I realize it might be difficult to obtain some of this information, but the motor Hp and depth the pump is set at inside the well are 2 key pieces of information I'd like to have at a minimum. Please feel free to respond to this email with the info or give me a call. Also, please let me know if you'd like to do the Assignment of Permit to change the name on the water right to match the property ownership before the permit is licensed. Thanks again for meeting with me and I look forward to your response.

Thanks,
Angie

Angela M. Grimm, P.G.
Water Resource Agent, Sr.
IDWR - Western Region
2735 Airport Way
Boise, ID 83705-5082
(208)334-2190 phone
(208)334-2348 fax



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

October 16, 2012

Kelly and/or Brenda Fulfer
2350 W. McMillan Rd.
Meridian, ID 83642

RE: Scheduling Field Exam for Water Right Permit No. 63-31631

Dear Mr. and/or Mrs. Fulfer:

We are planning to **conduct water right examinations** in the vicinity of the above-referenced permit **during the week of October 22, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal conditions during the examination. The permit authorizes use of ground water for commercial use (office and dust abatement).

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by October 22, 2012.** If there is a problem with scheduling or conducting the examination at this time, please call and other arrangements can be made. I appreciate your attention in this matter and I look forward to hearing from you.

Sincerely,

Angela M. Grimm, P.G.
Water Resource Agent, Sr.