

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-33142

Exam Date: 8/10/2016

1. Current Owner:
MELLIN PROPERTIES LTD PARTNERSHIP 10100 W FRANKLIN RD BOISE ID 83709-0333
(208)250-2963

2. Accompanied by: Ralph Mellin
Phone No: 208-250-2963
Address: 10100 W Franklin Rd Boise ID 83709
Relationship to Permit Holder: Current Owner

3. **SOURCE:**
GROUND WATER

TRIBUTARY:**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 63-32400, 63-32655, 63-32677, 63-33097 & 63-33100
2. Other water rights with the same point-of-diversion: 63-32397, 63-32401, 63-32400, 63-32655, 63-32677, 63-33097 & 63-33100

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

GROUND WATER SW¼NE¼ Sec. 21, Twp 01N, Rge 01W, B.M. ADA County

Method of Determination: Garmin GPS collected during exam: 43d 24.512 -116d 27.681**2. PLACE OF USE: IRRIGATION**

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	01W	21	33.0	32.0	39.0	40.0													144.0

Total Acres: 144

Method of Determination: Irrigated land measured using ArcMap tools and aerial photography.

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
SWNE Well	General Electric	125	OVJ203115	Layne & Bowler	Imp. Dia. 9.187"
Booster	Unknown	40	Unknown	Cornell Pump Co	4" Discharge

*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
Tyme-Flyte	Ultra Sonic	Polysonics	TF-P	N8J4626	---	3/31/2016

2. Measurements: Used the Tyme-Flyte to collect flow measurements during field exam.**E. FLOW CALCULATIONS**Measured Method: Transducer, ultra-sonic.X Additional Computation Sheets Attached

Pivot/sprinkler system diversion rate = 1,006 gpm = 2.24 cfs

Open discharge to ditch diversion rate = 1,012 gpm = 2.25 cfs

Permit	1.69 cfs
B.U. Standard Allowance	63.4 ac * 0.02 cfs/ac = 1.27 cfs
B. U. Proof Fee	\$125 → 1.01 to 2.00 cfs
Measurement Rate	2.25 cfs
System Rate/Acre	2.25 cfs / 144 ac farm = 0.0156 cfs/ac → .0156 cfs/ac * 63.4 ac = 0.99 cfs
Additional B. U.	2.25 cfs – 1.33 cfs (existing rights) = 0.92 cfs
License Recommendation	0.92 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 63.4 \times 4.5 = 285.3 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.92 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 474.5 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\underline{285.3 \text{ af}}}$$

2. Volume Calculations for Other Uses: None.**G. NARRATIVE/REMARKS/COMMENTS**

Field exam was conducted on August 10, 2016 by agents Rachel Sommer and Patrick Kelly. They were accompanied by Ralph Mellin and Idaho Power staff at the well location.

Ownership of the permit is in the name of Mellin Properties LTD Partnership. Mr. Mellin is the registered agent according to IDSOS database (Filing No. L2075). Current Ada County taxlot data describes Mellin Properties as land owner pertinent to the place of use. Changes to ownership are not required.

Ground water comes from a well drilled in 1965 in the SWNE QQ. At some point in the last few years, the well experienced power surges and a fire ensued. The well was serviced in 2016 and Mr. Mellin provided records of the invoice. At the time of the exam, a 125 GE motor and 40 hp booster were providing water to a pivot and handline system. Idaho Power was present at the time of the exam to measure power during pumping as well to make sure the system was running efficiently. They believe that much of the issues associated with the well in the past have been due to overloading the motor. Efforts are being made to make the system more efficient and prevent further loss.

Flow measurements were recorded using a Tyme-Flyte measuring device. A straight length of pipe was found from the well suitable to gain an accurate reading for both sprinkler and flood irrigation. Sprinkler irrigation produced an average diversion

of 1,006 gpm (2.24 cfs) while open discharge provided a diversion of 1,012 gpm (2.25 cfs). It was a surprise that the open discharge did not provide more of a significant diversion compared to the sprinkler system, but again, this was attributed to some of the inefficiencies between the well and the booster.

Overlap review found a total of 5 ground water irrigation rights pertinent to the property. 63-32400, 63-32655, 63-32677, 63-33097 & 63-33100. These are all child rights to parent right 63-7194. Mr. Mellin sold portions of this ground water right to multiple parties during the Basin 63 moratorium period. Most of the buyers transferred portions of the split rights to new property. However, a handful of buyers did not (Lynn 63-32400, Paramount 63-32677 and Mikelson 63-32655). The Paramount and Mikelson rights have been bought back and transferred to Mr. Mellins name. These two rights are considered to being used by Mr. Mellin during permit 63-33142 development period. The Lynn right 63-32400 has been in the water supply bank and was granted a 5 year bank extension in 2015. Mr. Mellin has tried to contact the Lynn's to offer a purchase of the right, but has been unsuccessful in reaching them. Because the right is in the bank, and not owned by Mr. Mellin, the right is not considered as overlap to the farm. In relation to permit 63-33142, it is not being considered as being used during the beneficial use period. In the future, 63-32400 will eventually be released from the bank. The Lynn's will be able to file a transfer on the right as long as forfeiture concerns are not valid. Once the forfeiture period passes on the right, little to no value will be left for the right, and historical beneficial use for its current place of use should *NOT* be considered.

The places of use shapes for Mellin's rights were updated to reflect irrigation use. This allowed me to measure the additional beneficial use developed under the permit.

POD analysis found 63-33097 & 63-33100 lists 5 POD's each within the entire NE quarter while all of the rights identify the SWNE QQ where the well is located. **At the time of the field exam, it was confirmed that only one well exists and all rights are diverted from the SWNE well.**

Combined use limits are found on 63-33097 and 63-33100 which would limit the existing rights to 1.25 cfs and 75.6 acres. Transfer 75555 was filed to change the POU and add a POD to 63-33097 and 63-33100. At the time of the approval, 63-32655 and 63-32677 were in different names. Since this transfer approval in 2010 was made, Mr. Mellin has purchased back the rights, and is claiming that these rights were in use during the beneficial use period of this permit (63-33142). The resulting combined use limits via the transfer state that the limits will be evaluated... and may not apply. The scenario has been created to which this limit does not apply.

The well produces a total diversion rate of 2.25 cfs on a total of 144.0 acres. This translates to a rate of 0.0156 cfs/acre. Since Mr. Mellin's existing water rights authorize 1.33 cfs on 80.6 acres, this leaves 0.92 cfs on 63.4 acres under the permit. By limiting the license to only additional beneficial use, it avoids an unnecessary need to add a combined use limit with the existing rights.

Aerial imagery shows 0.6 acres of irrigation within the NWSE and NESE QQ on the south boundary of the property. It is possible that the road shown in the imagery is the actual boundary, or the lines have shifted. A licensing amendment will not be required to identify the SE quarter, and will instead be included in the licensed POU.

Have conditions of permit approval been met? X Yes No

- The permit identified an acre limit of 84.4 acres within a 160 acre POU. This is being changed to reflect actual beneficial use; 63.4 acres within a 144 acre POU.

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/01 to 11/15	0.92 CFS	285.3 AF
	<u>Totals:</u>	0.92 CFS	285.3 AF

2. Recommended Amendments

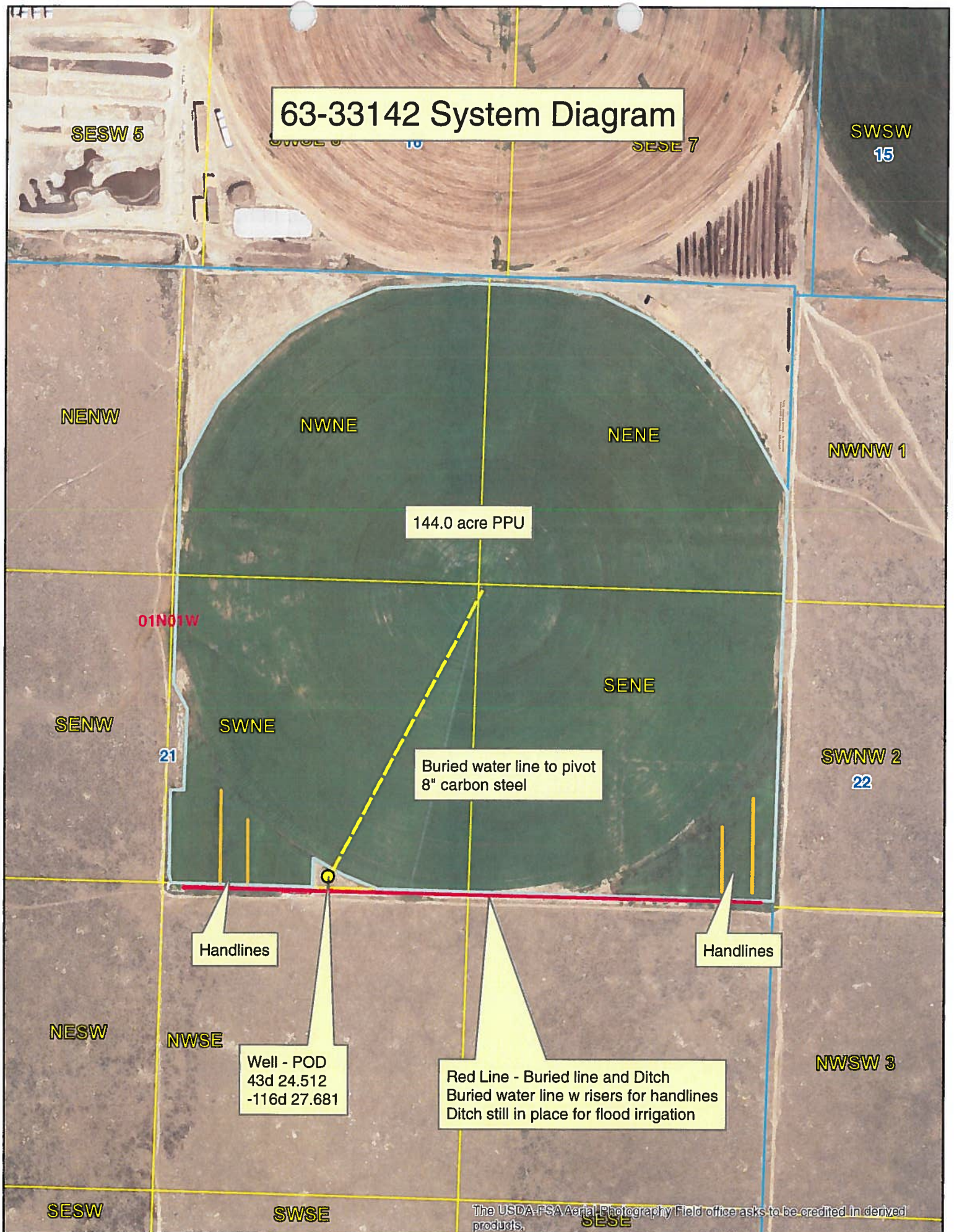
_____ Change P.D. as reflected above _____ Add P.D. as reflected above X None

_____ Change P.U. as reflected above _____ Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Patrick Kelly Date 11-15-2017
Reviewer Angela M. Gunn Date 1-8-2018

63-33142 System Diagram



OUTER DIAMETER
8.6300 IN

PIPE MATERIAL
? CS,SS

WALL THICKNESS
0.2400 IN

SPACING
6.551 IN U

08-10 10:4900 *H
+002.60 % AI2

0304.7 MMSEC
100.06 % T0

10:55+ 1.008E 3GPM 00R
+ 6.200E 0FPS 00R
+00000 *10 G 00R
-00000 *10 G 00R

10:56+ 1.005E 3GPM 00R
+ 6.184E 0FPS 00R
+00100 *10 G 00R
-00000 *10 G 00R

10:57+ 1.003E 3GPM 00R
+ 6.174E 0FPS 00R
+00201 *10 G 00R
-00000 *10 G 00R

10:58+998.834E 0GPM 00R
+ 6.145E 0FPS 00R
+00301 *10 G 00R
-00000 *10 G 00R

10:59+ 1.014E 3GPM 00R
+ 6.240E 0FPS 00R
+00402 *10 G 00R
-00000 *10 G 00R

11:00+ 1.017E 3GPM 00R
+ 6.259E 0FPS 00R
+00503 *10 G 00R
-00000 *10 G 00R

11:01+997.249E 0GPM 00R
+ 6.135E 0FPS 00R
+00603 *10 G 00R
-00000 *10 G 00R

11:02+ 1.006E 3GPM 00R
+ 6.190E 0FPS 00R
+00704 *10 G 00R
-00000 *10 G 00R

11:03+ 1.013E 3GPM 00R
+ 6.236E 0FPS 00R
+00805 *10 G 00R
-00000 *10 G 00R

11:04+998.306E 0GPM 00R
+ 6.141E 0FPS 00R
+00905 *10 G 00R
-00000 *10 G 00R

11:05+ 1.005E 3GPM 00R
+ 6.184E 0FPS 00R
+01006 *10 G 00R
-00000 *10 G 00R

08-10 11:0500 *R

PIVOT DIVERSION

+998.136E 0GPM

OUTER DIAMETER
8.0200 IN

PIPE MATERIAL
? CS,SS

WALL THICKNESS
0.1050 IN

SPACING
5.811 IN U

08-10 11:4500 *R
+002.70 % AI2

0292.2 MMSEC
100.12 % T0

11:54+ 1.017E 3GPM 00R
+ 6.814E 0FPS 00R
+00000 *10 G 00R
-00000 *10 G 00R

11:55+ 1.014E 3GPM 00R
+ 6.797E 0FPS 00R
+00101 *10 G 00R
-00000 *10 G 00R

11:56+ 1.020E 3GPM 00R
+ 6.837E 0FPS 00R
+00203 *10 G 00R
-00000 *10 G 00R

11:57+996.721E 0GPM 00R
+ 6.676E 0FPS 00R
+00304 *10 G 00R
-00000 *10 G 00R

11:58+ 1.007E 3GPM 00R
+ 6.745E 0FPS 00R
+00405 *10 G 00R
-00000 *10 G 00R

11:59+ 1.018E 3GPM 00R
+ 6.824E 0FPS 00R
+00506 *10 G 00R
-00000 *10 G 00R

12:00+ 1.021E 3GPM 00R
+ 6.843E 0FPS 00R
+00607 *10 G 00R
-00000 *10 G 00R

12:01+ 1.011E 3GPM 00R
+ 6.778E 0FPS 00R
+00709 *10 G 00R
-00000 *10 G 00R

12:02+ 1.017E 3GPM 00R
+ 6.817E 0FPS 00R
+00810 *10 G 00R
-00000 *10 G 00R

12:03+ 1.023E 3GPM 00R
+ 6.860E 0FPS 00R
+00911 *10 G 00R
-00000 *10 G 00R

12:04+ 1.015E 3GPM 00R
+ 6.801E 0FPS 00R
+01012 *10 G 00R
-00000 *10 G 00R

08-10 12:0400 *R

OPEN DISCHARGE

63-33142
FIELD EXAM

August, 10, 2016
Patrick Kelly

PIVOT
1,006 gpm
2.24 cfs

OPEN
1,012 gpm
2.25 cfs

701 I PWR

WELL

Ralph Miller

5 stages

12508 PM 335' TDH

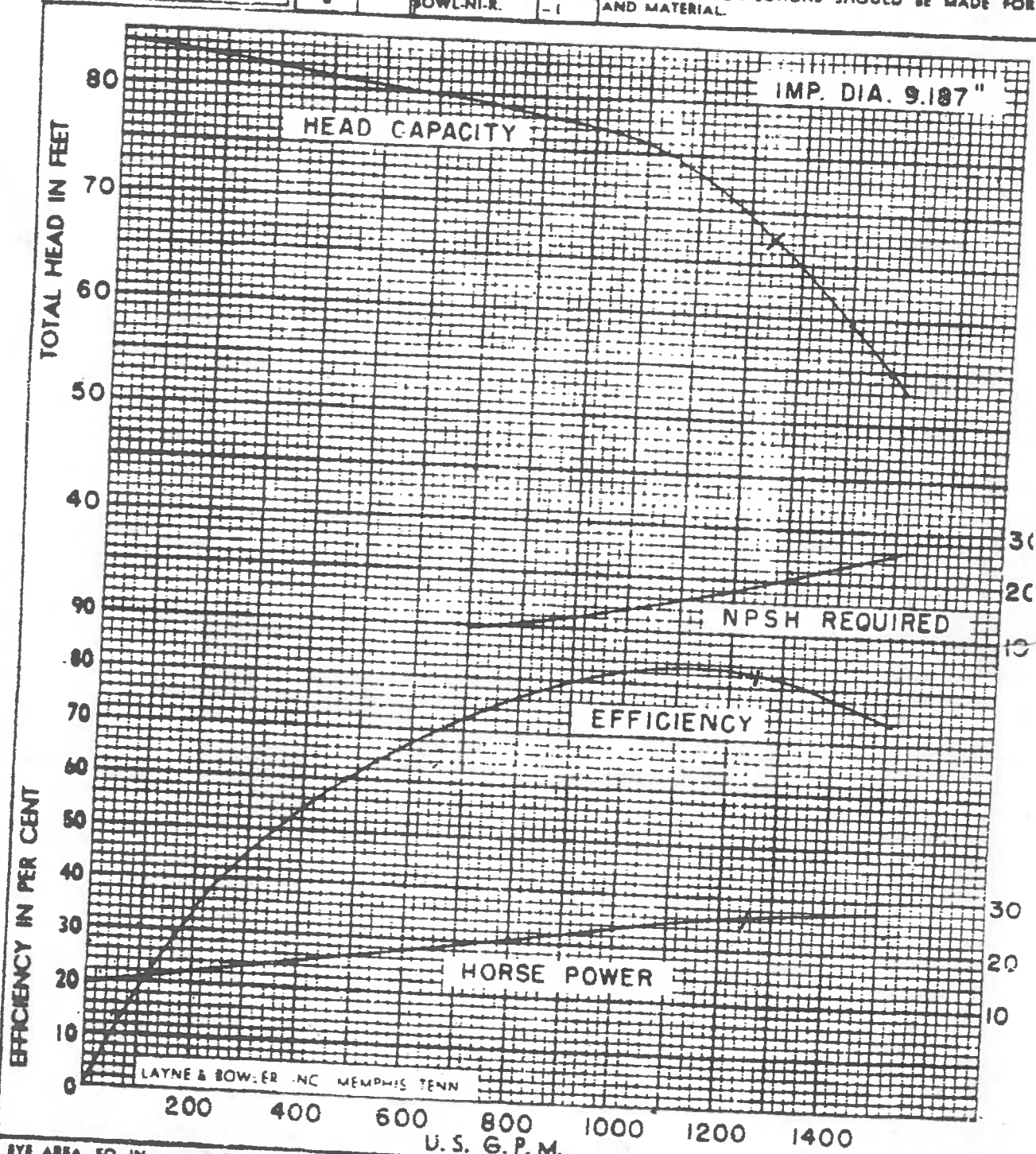
CURVE NO. PB 1824A1

SINGERLAYNE & BOWLER DIVISION
MEMPHIS, TENNESSEE U.S.A.

No Stages	Imp Change	MATERIAL	Imp Change
1	-3	IMP. C.I.	-2
2	-2	IMP. C.I. ENM	-1
3	0	IMP. NI-RI	-1
4		BOWL-BRZ.	-1
5		BOWL-C.I. ENM	0
6		BOWL-NI-R.	-1

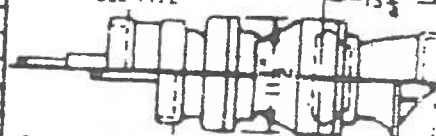
12" RKAEH

1770

SINGLE STAGE LAB HEAD AND HORSE POWER WITH 5
CAST-IRON BOWLS AND BRONZE IMPELLEREFFICIENCY SHOWN FOR 3 OR MORE STAGES
POWER SHOWN FOR ONE STAGE BASED ON
EFFICIENCY CORRECTIONS SHOULD BE MADE FOR
AND MATERIAL.

EYE AREA - SQ. IN.	= 19	IMPELLER WT.-LBS.	= 20
THRUST CONSTANT	= 7.5	ONE STAGE WT.-LBS.	= 310
WT. PER IMPELLER	= 1.05 LB. FT. 2	ADD'L STAGE WT.-LBS.	= 100
MAX. SPIN. SIZE	= .875	IMPELLER NUMBER	= 6419
MAX. NO. STD. STAGES	= 11	DISCH. SIZES	= 7, 8, 9, 10
MAX. OPERATING P.S.I.	= 440	SUCTION SIZE	= 8
STD. LATERAL	= .531	BOWL CONN. FLANGE - COLLETS	
STD. SHAFT DIA.	= 1.687		

DEEP WELL TYPE



SHORT C DUPLEX TYPE

CORNELL PUMP COMPANY

CORNELL

EFFICIENT BY DESIGN

Hydraulics & Pump Seminar

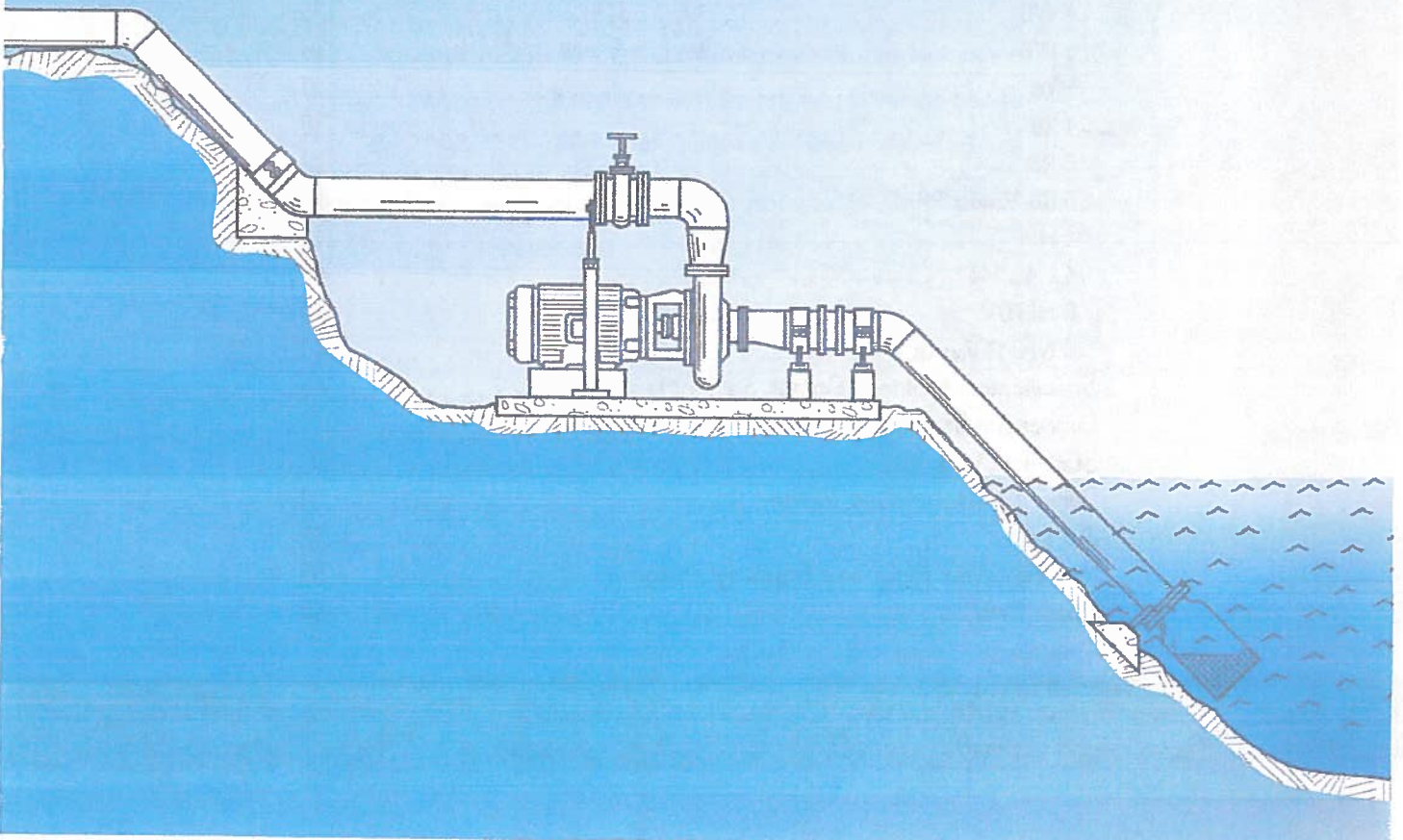


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Model 4RB: 1800 RPM-60 Hertz

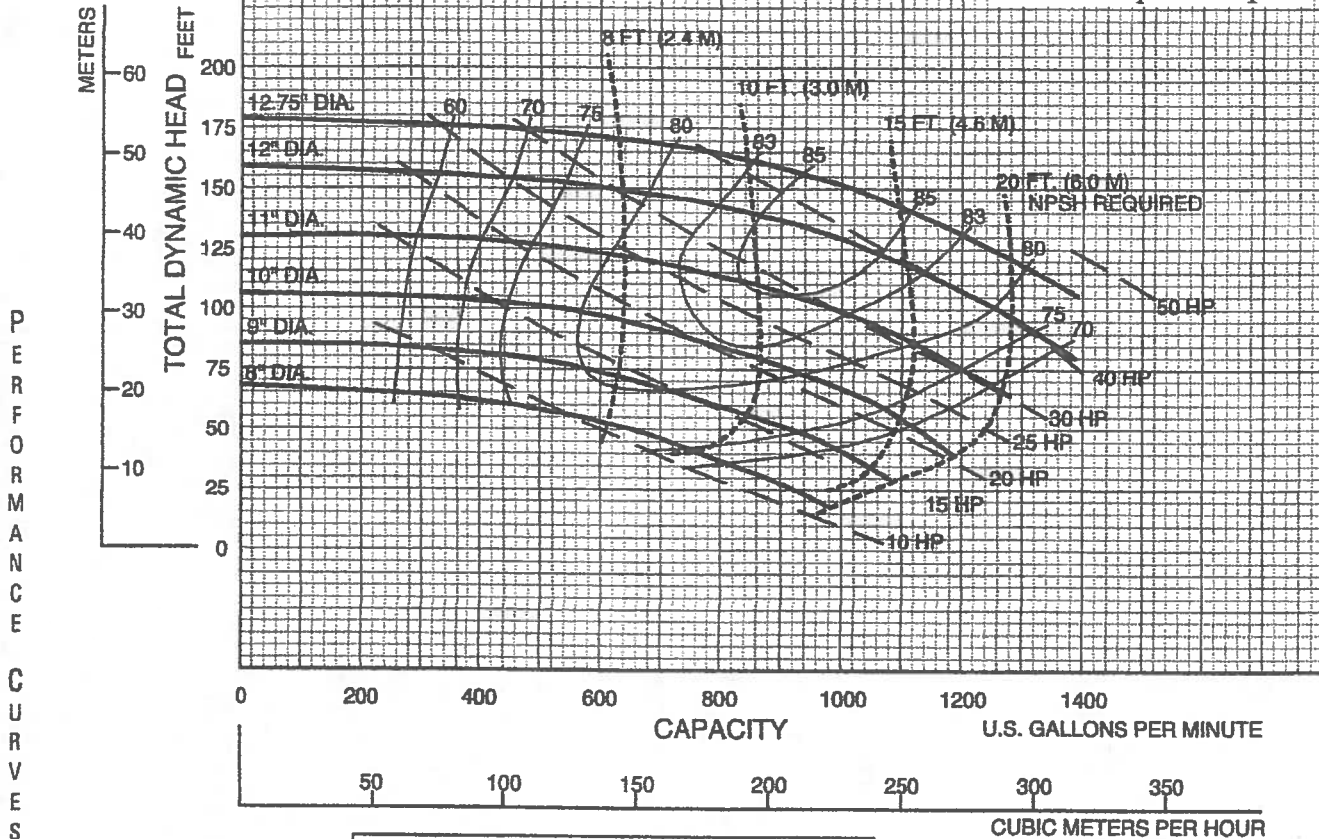
BOOSTER

Speed	Impeller Dia.	Style	Solids Dia.	N _S	Suction	Discharge	No. vanes
1775	VARIOUS	ENCLOSED	.84"	1332	6"	4"	7

SINGLE VOLUTE

MOUNTING CONFIG.: CC, VM, F, VF, EM, VC

Clear Liquid Pump



HP	MAXIMUM IMPELLER DIAMETER	
	FOR FULL MOTOR LOAD	FOR FULL MOTOR LOAD PLUS 15% S.F.
50	12.75"	
40	11.88"	12.62"
30	10.88"	11.38"
25	10.38"	10.75"
20	9.69"	10.12"
15	8.88"	9.25"
10	7.75"	8.25"

Feet x .305 = Meters
Inches x 25.4 = Millimeters
GPM x .227 = Cubic Meters/Hour
GPM x 3.785 = Liters/Minute
HP x .746 = KW

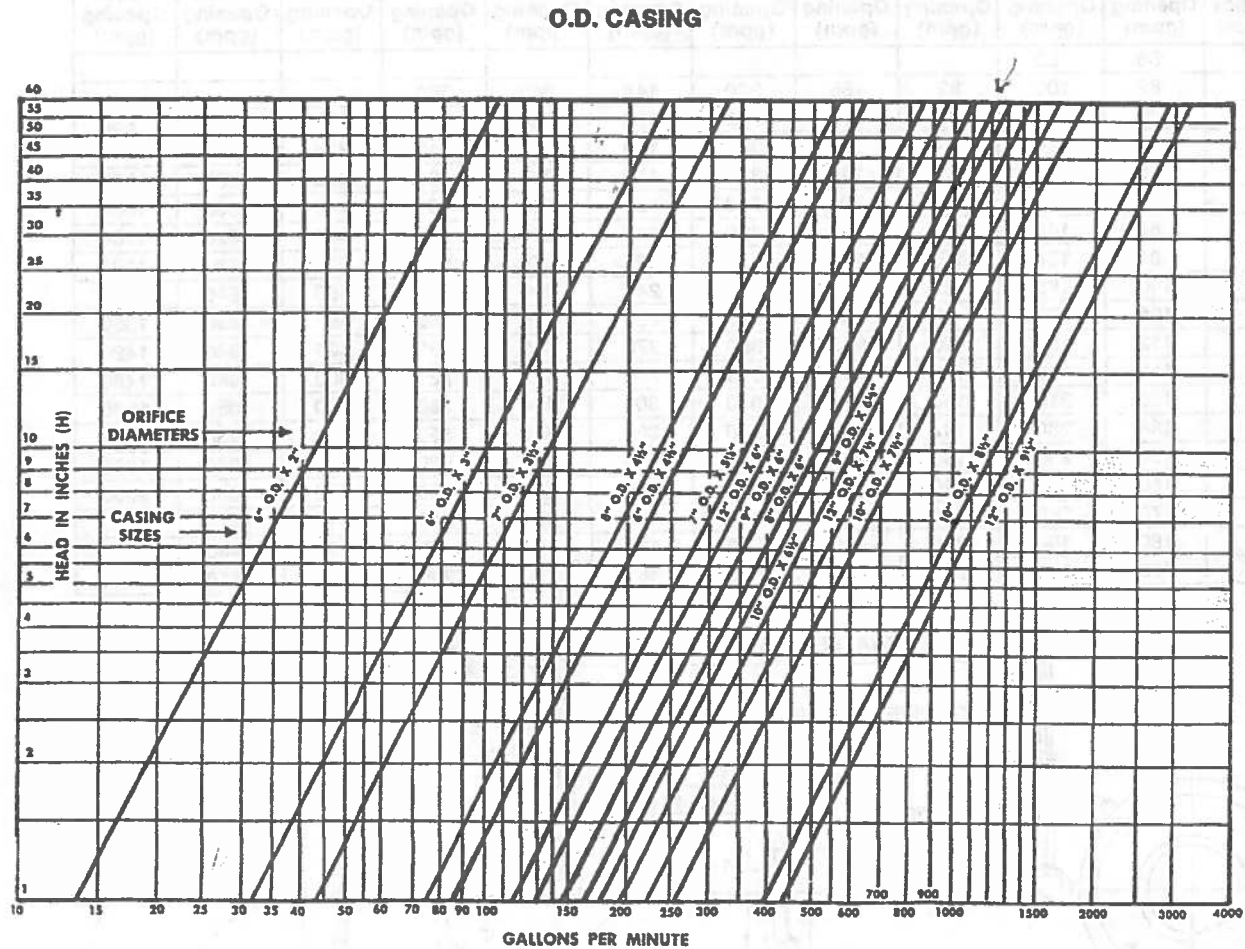
6/99

Performances shown are for Cool Water, Close-Coupled Electric configuration with Packing. Other mounting styles or liquids may require horsepower and/or performance adjustments.



Cornell Pump Company • Portland, Oregon

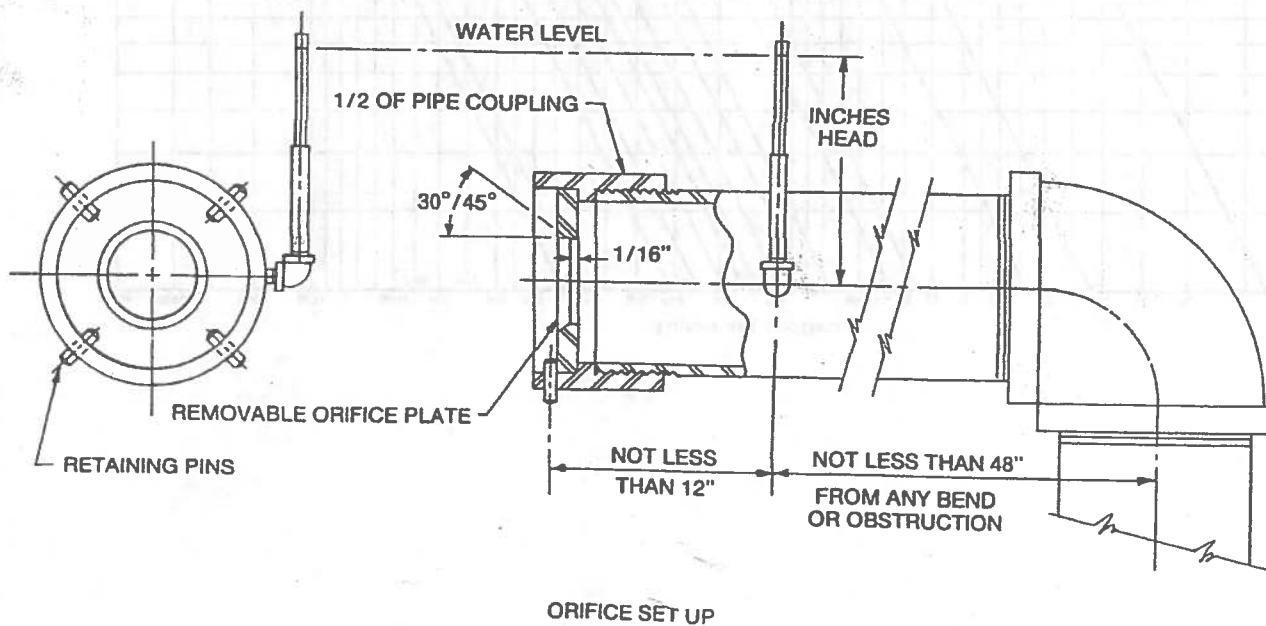
MEASUREMENT OF FLOW - CIRCULAR ORIFICE



MEASUREMENT OF FLOW/TABULATION OF YIELDS FROM CIRCULAR ORIFICE WEIRS

(Range from 56 gpm to 2,000 gpm)

YIELD IN GALLONS PER MINUTE											
Head of Water in Tube Above Center of Orifice (inches)	4-inch Pipe 2 1/2-inch Opening (gpm)	4-inch Pipe 3-inch Opening (gpm)	6-inch Pipe 3-inch Opening (gpm)	6-inch Pipe 4-inch Opening (gpm)	6-inch Pipe 5-inch Opening (gpm)	8-inch Pipe 4-inch Opening (gpm)	8-inch Pipe 5-inch Opening (gpm)	8-inch Pipe 6-inch Opening (gpm)	10-inch Pipe 6-inch Opening (gpm)	10-inch Pipe 7-inch Opening (gpm)	10-inch Pipe 8-inch Opening (gpm)
5	56	93									
6	62	102	82	155	300	148	240	380			
7	66	110	88	168	325	160	260	410	370	550	850
8	70	118	94	180	350	170	280	440	395	590	900
9	75	126	100	190	370	180	295	465	420	630	950
10	80	132	106	200	390	190	310	490	440	660	1000
12	87	145	115	220	425	210	340	540	480	720	1100
14	94	156	125	238	460	225	370	580	520	780	1190
16	100	168	132	253	490	240	390	620	560	840	1275
18	106	178	140	268	520	255	415	660	595	890	1350
20	112	188	150	283	550	270	440	695	625	940	1420
22	118	198	158	298	575	280	460	725	660	980	1480
25	125	210	168	318	610	300	490	780	700	1050	1580
30	138	230	182	350	670	330	540	850	760	1150	1725
35	150	250	198	375	725	360	580	920	820	1240	1865
40	160	265	210	400	780	380	620	980	880	1330	2000
45	170	280	223	425	820	400	660	1040	940	1410	
50	180	300	235	450	870	425	700	1100	990	1480	
60	195	325	260	490	950	465	760	1200	1090	1610	





Date	Sept. 1, 2015	Phone
Location	Robinson Rd to Kuna Cave east to Carousel Dairy south at brown house on dirt road	

All depths shown are relative to the center of the side camera perspective

[illegible]

298 static

vertical

430 holes starting smaller

435 holes even smaller

577. bottom of hole

June 10, 2010

Survey Date	Survey Time	Station	Depth (ft)	Remarks
06/10/10	08:15	298	0.0	Static
06/10/10	08:15	430	0.0	Static
06/10/10	08:15	435	0.0	Static
06/10/10	08:15	577	0.0	Static

Station	Depth (ft)	Remarks
298	0.0	Static
430	0.0	Static
435	0.0	Static
577	0.0	Static



LAYNE PUMPS

A SUBSIDIARY OF LAYNE & BOWLER, INC., MEMPH

Phone - 733-3284
733-6914
Area Code 208

2 Miles East on Kimberly Road

P. O. Box 640
83301
TWIN FALLS, IDAHO

P. O. Box 1005
83651
NAMPA, IDAHO

WELL TEST:

SCHEMELZEL

4-19-65

12" Well

700' Deep

12" I D Caseing all the way.

→ Static Water Level 283'

Well Pumped	900 GPM from 295'
	1080 GPM from 300'
	1248 GPM from 310'
	1438 GPM from 315'

Very Clean Well.

5 hours testing time.

usd.

Layne of Idaho, Inc.

Remit to:

PO Box 1005

Nampa ID 83653

Phone: 208-466-7376

Fax: 208-466-5078

INVOICE

Invoice Number: 16455

Invoice Date: Jul 7, 2016

Page: 1

Bill To:

Mellin Properties LP c/o Ralph Mellin
10100 W. Franklin Rd.
Boise, ID 83709-0333

Ship to:

Ralph Mellin
10100 W. Franklin Rd.
Boise, ID 83709-0333

Phone: 208-322-1140

Fax:

Customer ID	Customer PO	Payment Terms	
MELL001	Ralph	Net 30 Days	
Idaho Power Number	Work Order No.	Ship Date	Due Date
	0516-012		8/6/16

Quantity	Description	Unit Price	Amount
	Robinson Rd- Kuna Cave east to Caracel Dairy south at brown house		
	125hp s/n OV5203115, 5 stage oilube dwt set 360' - 8 x 2-1/2 x 1-11/16		
1.00	Pull, set, wire and startup - crane time to move column, tube and shaft - reassemble discharge	3,740.00	3,740.00
1.00	Teardown, shop labor and assembly	175.00	175.00
	Repair as needed including the following		
1.00	SS Bowlshaft 1-11/16 x 84		
2.00	Seals 1-11/16		
4.00	Black widow spiders 2-1/2 x 8		
3.00	Gaskets		
10.00	Gallons ISO 32 oil		
	Total for above repairs		693.00

360' pipe 8" pipe
7' pump bowls
10' x 8" suction pipe
2' cone screen
379' with pipe, pump, suction, screen

Ralph Jackson Layne of Idaho

**Celebrating
40 years of
Excellence
1975~2015**

Subtotal	4,608.00
Sales Tax	
Total Invoice Amount	4,608.00
Payment/Credit Applied	
TOTAL	4,608.00

All accounts are due and payable per the invoiced terms.

All past due amounts are subject to finance charges of 1-1/2% per month plus cost of collection including attorney fees if incurred.

01N01W21 POU Overlap Analysis

WR#	Owner	Source	Rate	Volume	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SESW	NESE	NWSE	SWSE	SESE	Total
63-32400	LYNN, DELMY; LYNN, SEAN; MELLIN F	GROUND WATER	0.13	36				8									0
63-32655	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER	0.03	9	2												2
63-32677	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER	0.05	13.5	1		2										3
63-33097	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER	1.17	317.7	40	40	40	40									75.6
63-33100	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER	0.08	22.5	40	40	40	40									
63-33142	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER	1.33	362.7	36	36	37	40									80.6

01N01W21 POD Overlap Analysis

WR#	Owner	Source	Rate	Volume	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SESW	NESE	NWSE	SWSE	SESE	Total/Acres
63-33142	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER															
63-32397	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER															
63-32400	LYNN, DELMY; LYNN, SEAN; MELLIN F	GROUND WATER															
63-32401	EAGLE PRECAST CO; MELLIN PROPER	GROUND WATER															
63-32655	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER															
63-32677	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER															
63-33097	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER			X	X	X	X									
63-33100	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER			X	X	X	X									
63-33142	MELLIN PROPERTIES LTD PARTNERSH	GROUND WATER			X	X	X	X									

63-33142 Adding Acres
144 - 80.6 = 63.4 ac

63-33142 Adding Rate
2.25 - 1.33 = 0.92 cfs

63-33142 Adding Volume
648 - 362.7 = 285.3 af

WR#	Rate	Volume	Acres
63-32655	0.03	9	2
63-32677	0.05	13.5	3
63-33097	1.17	317.7	70.6
63-33100	0.08	22.5	5
TOTAL	1.33	362.7	80.6
per 80.6 ac	0.016501	4.5	
144 ac limit	0.015625	648	
63-33142	0.92	285.3	63.4
	0.014511	0.014511	
		0.950625	

RECEIVED
MAY 4 1965

**WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO**

Department of Reclamation
36372

SUBMIT WITHIN 30 DAYS AFTER COMPLETION OF WELL: SEE IDAHO STATUTES 42-238

Permit No. 9-28448 Well No. _____ County ADA
Owner JACK SMELZER Schmeigel
Address _____
Driller BILL LUKSCHAT
Address Box 234 Boise
Well location SE 1/4 NE 1/4 Sec. 21, T. 1 N. 1/4 R. 1 W.
Size of drilled hole 16" x 12"
Total depth of well 743'

Locate well in section

NW 1/4	NE 1/4
Sec. _____	
SW 1/4	SE 1/4

Give depth to standing water from the ground 282 Water temp. _____ °Fahr.
Test delivery was 460 g.p.m. or _____ c.f.s. Drawdown was 33 feet. Pump? ✓ Bail? _____
Size of pump and motor used to make test 380' 8" COL - 10" SOWLS
Length of time of test 8 hours _____ minutes.
If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____
If flowing well, described control works _____ (TYPE AND SIZE OF VALVE, ETC.)
Water will be used for IRRIG. Weight of casing per lineal foot 75
Thickness of casing 250 Casing material STEEL (STEEL, CONCRETE, WOOD, ETC.)
Diameter, length and location of casing 12 - 667'
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER;
CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
16	0	5	5	16"
12	0	667'	667'	12" SEAL IN CLAY

Number and size of perforations 248' 1/4 x 12" located 586' feet to 448' feet from ground

Date of commencement of well _____ Date of completion of well April 16, 1965

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0'				
0'	5'	Soil	No	No
5	135	lava	No	No
135	144	Red cinders	No	No
144	258	lava	No	No
258	264	Broken Lava - Cinders	No	No
264	286	Lava	No	No
286	297	Sandy clay	No	No
297	308	Lava	No	No
308	314	Sandy Clay	No	No
314	388	Lava	No	No
388	405	Sandy Clay	No	No
405	441	Gravel	Yes	Yes
441	448	Sandy Clay + Limestone	Yes	Yes
443	565	Sand	Yes	No
565	590	Sandy Clay	Yes	No
590	643	Muddy Sand	Yes	No
643	650	Sandy Clay	No	No
If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is complete, true and correct to the best of my knowledge and belief.

Signed Billie M. Ruckert

By _____

Dated May 1, 1961

License No. 122

Well Driller's Helper _____

36373

SHEET NO. 2

Well Owner.

Well Driller ✓

Well Location

Ion SE 1/4 / N 1/2 S 2

WELL LOG

[illegible]

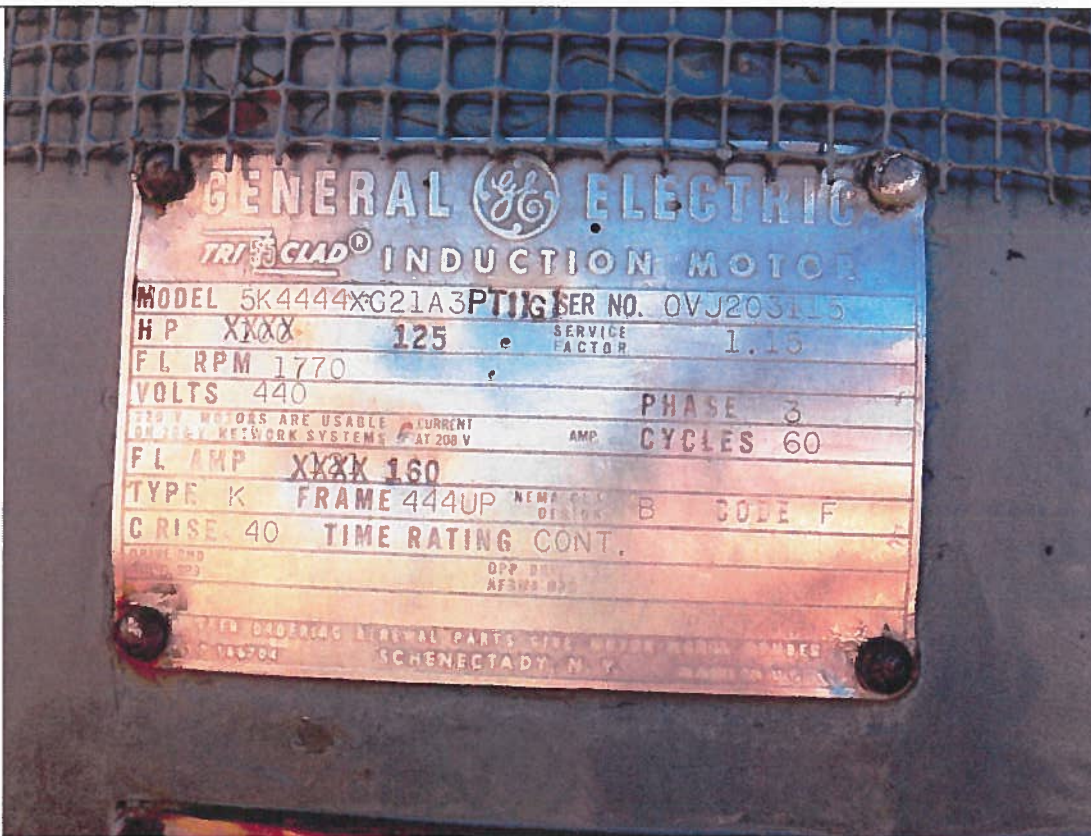


Well / POD

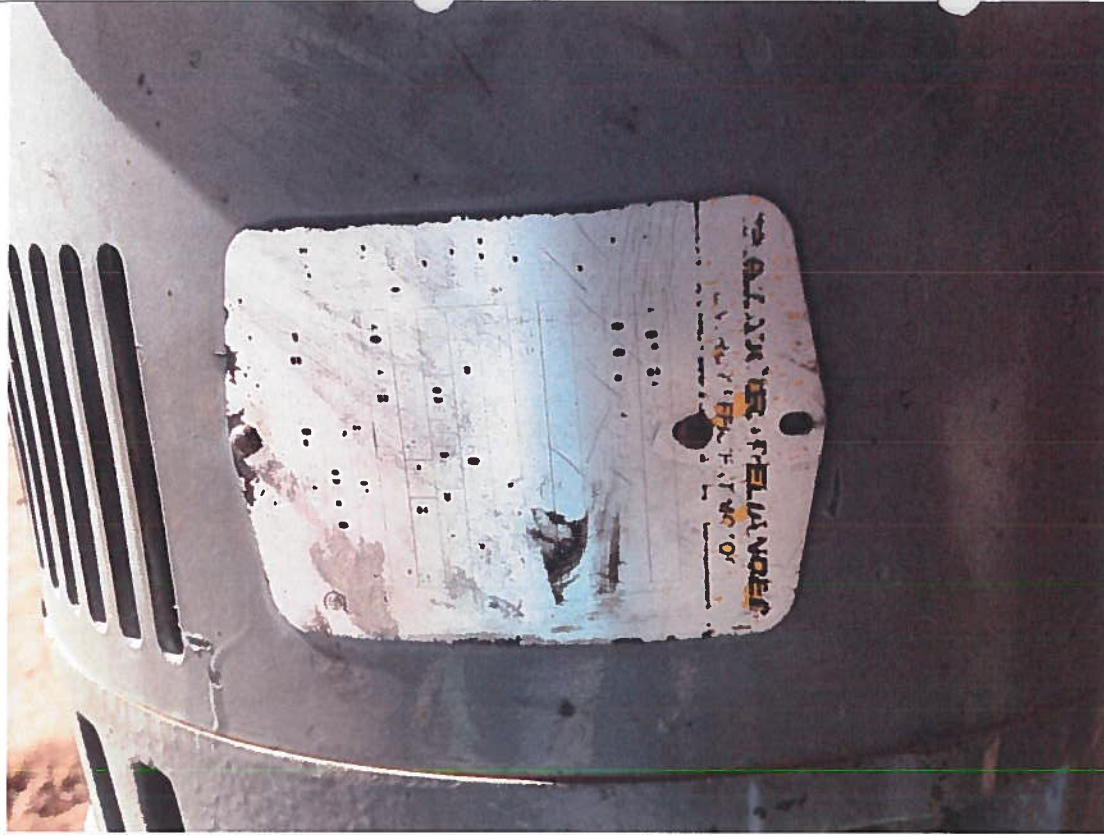
43d 24.512
-116d 27.681

Blue pipe towards
left of photo
sprinkler diversion.

Carbon steel pipe
toward right of
photo open
discharge.



GE Motor tag
125 hp
SN: 0VJ203115



Booster pump tag
unidentifiable.

40 hp



Pivot system
operates at 64 psi.



Open discharge
measurement



Ditch along south
boundary of
property was used
before sprinkler and
pivot system
installed.



Water from open discharge well fills small pool and overflows into ditch.



Extra handline with sprinklers attached.

Handline sprinklers use $\frac{1}{4}$ " Nozzles. 12 sprinklers per line.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 19, 2017

COPY

RALPH MELLIN
10100 W FRANKLIN RD
BOISE ID 83709

RE: Extension granted for 63-33142

Dear Permit Owner,

On August 10, 2016, a field exam was completed for 63-33142 and a recommendation to reduce the acres authorized by the permit was made. On April 7, 2017, IDWR conducted a meeting with you to discuss historical irrigation practices on the farm. On April 19, 2017, the Department received an extension request for 30 days to handle water right business relative to the sale of overlapping rights.

This is notice that your request has been granted and information regarding which water rights were historically used to irrigate the place of use pertinent to 63-33142 shall be received no later than May 19, 2017.

Sincerely,

Patrick Kelly
Water Resource Agent, Sr.

RECEIVED

APR 19 2017

WATER RESOURCES
WESTERN REGION

Mellin Properties Ltd Ptr
10100 W Franklin Rd
Boise, ID 83709
April 18, 2017

Patrick Kelly, Sr Water Resources Agent
Idaho Department of Water Resources
Western Region
2735 W. Airport Way
Boise, ID 83705

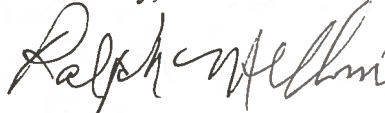
Dear Patrick:

RE: Water Right No. 63-32677, 63-32655 and 63-32400

This letter follows our conversation on Friday, April 7, 2017, to
finalize/license my permit no. 63-33142.

Please allow me 30 more days from this above date to work with
the three above water right holders of rights on my property.

Sincerely,

A handwritten signature in black ink, appearing to read "Ralph Mellin". The signature is fluid and cursive, with the first name "Ralph" being more prominent than the last name "Mellin".

Ralph Mellin
General Partner