

Palmer, Cherie

From: Greg Sullivan [greg.sullivan@brockwayeng.com]
Sent: Thursday, April 23, 2015 5:08 PM
To: Palmer, Cherie
Cc: lance@lancefunkfarms.com; Whitney, Rob
Subject: RE: WSB Rental for Lance Funk
Attachments: Funk Invoices and Plans.pdf; IMG_3092 (2).JPG; IMG_3093 (2).JPG; IMG_3094 (2).JPG

Cherie,

I called and talked with Lance Funk and Jaxon Higgs about these two PODs. Jaxon had indicated that the last actual measurement done on the system when it was running was in 2009. All other data that has been recorded is based on power readings from the electrical boxes.

Lance explained to me that the two wells have been disconnected from the irrigation mainlines and that the electrical connection has been disconnected. It is not physically possible for these two wells to function at this time. Lance did say that the same electric box that was used for the two wells is now used for the booster pumps from the pond. That would explain why the power output for WMIS well 600693 held steady for 2011, 2012 and 2013 but then jumped in 2014. The booster pumps are providing water to two large full pivots, a small pivot and two half pivots.

I have attached pictures of the pond when it was constructed. I have also include invoices and drawings for the pond system. Lance is willing to have any IDWR employee or water master inspect the system.

Below is the site visit note from JD Higgs (not Jaxon Higgs, I believe he is Jaxon's cousin) concerning this system.

Please move forward on processing the rental application for this year. Please call or email me if you have any additional questions. I will be out of the office most of the day on Friday.

Greg Sullivan
Brockway Engineering
2016 North Washington Stree, Suite 4
Twin Falls, Idaho 83301

Idaho Department of Water Resources

WMIS
Water Management Information System

Quick Search

Search Method: Legal Description

Legal Description: Q75, 10E, 24, 00 NW NW

Search

You are logged in as Guest

Field Of Direction: PCE | Flow Meter | Time Clock | Abstraction | Contacts | Data Summary | Online | Logout

Site Visits

You are viewing 602625 42066547

Report Year	Visit Date	Examiner	Reason for Visit
2014	06/30/2014	JDH9665	PCC Calibration
Comments From website (old) was they do not use this well at all. They use canal water there. I walked out to well and can verify that both nearby canals are running and well is off.			

From: Palmer, Cherie [<mailto:Cherie.Palmer@idwr.idaho.gov>]

Sent: Tuesday, April 21, 2015 11:05 AM

To: Greg Sullivan

Subject: WSB Rental for Lance Funk

Greg,

We are in receipt of two rentals for Lance Funk. You are proposing to use water rights 35-14056 and 35-14058 for the two rentals. Last week it came to my attention that those two water rights are in the middle of a potential NOV. Those water rights were fully rented last year but, the lessor also irrigated the land at the lease's place of use. I sent a letter to the lessor to rectify the matter but, it holds up any activity on those two water rights. Can you please select new water rights for the two Lance Funk rentals? Let me know if you have any questions.

Cherie

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.5941 / Virus Database: 4334/9587 - Release Date: 04/20/15

THE HOE WORKS

R. Nolen Buffi

1054 S. 2600 W.

Aberdeen, Idaho 83210

Home: (208) 397-4302 • Mobile: (208) 680-1194

Excavating • Trench
Sewers • Construction..

007726

DATE 3-31-14

TO *George Funk Farm's*
ADDRESS *PO Box 310*
CITY *American Falls Id 83211*

PO. # work on pond Lynn place

7	Hr #29 Track HOE	1200	\$0
8	Hr #27 Unloader	382	\$0
9	Hr #18 Transport	85	\$0
10	Hr #12 Transport	110	\$0
	4-1-14		
21	Hr #29 Track HOE	1710	\$0
22	Hr #27 Unloader	722	\$0
	4-2-14		
23	Hr #29 Track HOE	1800	\$0
24	Hr #27 Unloader	722	\$0
	4-3-14		
25	Hr #12 Transport	110	\$0
	Total	6902	\$0

Payment in full is due 30 days from date of service. In the event payment is not made when due, an annual percentage rate of 21% will be assessed until paid.



Double M Ag & Irrigation Inc.
522 Lincoln
American Falls, ID 83211

3" Plastic

.75 ft

2,700 ft

Estimate

Date	Estimate #
3/21/2014	234
Rep	DR

Name / Address
Lance Funk Farms P O Box 310 American Falls, ID 83211



Project

Qty	Item	Description	U/M	Price	Total
3,200	IR PVC PIPE	** NEW POND SYSTEM NORTH **		12.42	39,744.00
1	IR MAINLINE	FT. 15" 125 # PIP GASKETED PVC PIPE		255.00	255.00
		EA. 15" BOLT STYLE STARTER COUPLING			
		Item Subtotal			39,999.00
		PUMP STATION SUMP. AND WATERMASTERS **			
40	IR PVC PIPE	FT. 24" 100 # PVC PIPE		28.75	1,150.00
20	IR MAINLINE	FT. 48" CMP GALVANIZED PIPE SUMP		46.38	927.60
2	IR MAINLINE	EA. 24" BOLT STYLE STARTER COUPLING		675.00	1,350.00
2	IR MAINLINE	EA. 36" WATER MASTER WITH FILTERS AND HARD WARE		1,540.00	3,080.00
1	IR MAINLINE	EA. MISS MATERIALS		100.00	100.00
2	IR MAINLINE	EA. 12" X 20" CONE		220.00	440.00
1	IR MAINLINE	EA. WELDING, LABOR, PAINTING, AND BACKHOE WORK		3,725.00	3,725.00
		Item Subtotal			10,772.60
		** PUMP TIE IN **			
20	IR MAINLINE	FT. 16" .188 WALL STEEL PIPE			0.00
1	IR MAINLINE	EA. 2000 GPM GALVANIZED FILTERS, WITH GALVANIZED TIE IN WYEE ASSY.			0.00
1	F083-00-10	10 3/4' X 1/2' IPS PLATE FLANGE		29.4865	29.49
1	F083-81-10	10' FLANGE GASKET		4.8365	4.84
1	CONE1012	10X12 3/16' SHORT CONE		24.4375	24.44
				Total	

Double M Ag & Irrigation Inc.

Signature _____

Phone #	Fax #
(208) 226-2555	(208) 709-2556



Double M Ag & Irrigation Inc.
522 Lincoln
American Falls, ID 83211

Estimate

Date	Estimate #
3/21/2014	234
Rep	DR



Name / Address
Lance Funk Farms P O Box 310 American Falls, ID 83211

Project

Qty	Item	Description	U/M	Price	Total
1	CHEMWELDON	CHEM AIR VENT ASSY COMPLETE WITH WELD ON. GASKET. & DRAIN ASSY.		222.2155	222.22
2	IR MAINLINE	EA. 16" X 1" FLANGE		126.00	252.00
2	IR MAINLINE	EA. 16"X 1/2" FLANGE		77.00	154.00
1	IR MAINLINE	EA. 16" WAFER CHECK VALVE		1,529.00	1,529.00
4	IR MAINLINE	EA. 16" RING GASKET		11.00	44.00
2	BCPLG3001/2	EA. 3' HALF STEEL COUPLER		20.5275	41.06
1	3185-3	SURGE PLUG 3' GHEEN MPT		132.634	132.63
1	GNIP300X4	EA. 3' X 4' GALV NIPPLE		16.0225	16.02
1	P004963	EA. AIR VENT MANIFOLD 3' X 3-2'		235.00	235.00
4	2AV	EA. 2' AIR VENT		17.867	71.47
1	GNIP200X4	EA. 2' X 4' GALV NIPPLE		4.2925	4.29
1	IR MAINLINE	EA. 15" BOLT STYLE STARTER COUPLING		255.00	255.00
1	BCPLG125	EA. 1 1/4' STEEL COUPLER		4.76	4.76
1	BCPLG075	EA. 3/4' STEEL COUPLER		2.72	2.72
1	GPLUG075	EA. 3/4' GLAV MALL PLUG		1.19	1.19
1	GPLUG125	EA. 1-1/4' GALV MALL PLUG		2.1675	2.17
1	470	SILVER ALUM PAINT GAL [1/2 GALLON]		32.05	32.05
1	IR MAINLINE	EA. WELDING, LABOR, BOOM TRUCK. AND PAINTING			0.00
		Item Subtotal			3,058.35
		** SPECIAL WYE TEE **			0.00
1	YTEE12	EA. Y TEE PLAIN 12'		859.7155	859.72
1	IR MAINLINE	EA. 15" BOLT STYLE STARTER COUPLING		255.00	255.00
				Total	

Double M Ag & Irrigation Inc.

Signature _____

Phone #	Fax #
(208) 226-2555	(208) 709-2556



Double M Ag & Irrigation Inc.
522 Lincoln
American Falls, ID 83211

Estimate

Date	Estimate #
3/21/2014	234
Rep	DR



Name / Address
Lance Funk Farms P O Box 310 American Falls, ID 83211

Project

Qty	Item	Description	U/M	Price	Total
2	IPSSC12	EA. 12' IPS EPOXY STARTER COUPLER		57.902	115.80
2	CONE1214	EA. 12' X 14' .187 WALL CONE		83.929	167.86
2	CONE1416	EA. 14' X 16' 10GA SHORT CONE		56.10	112.20
1	IR MAINLINE	EA. WELDING, LABOR, AND TAR COATING		682.00	682.00
		Item Subtotal			2,192.58
		Idaho Sales Tax		6.00%	1.92
				Total	\$56,024.45

Double M Ag & Irrigation Inc.

Signature _____

Phone #	Fax #
(208) 226-2555	(208) 709-2556

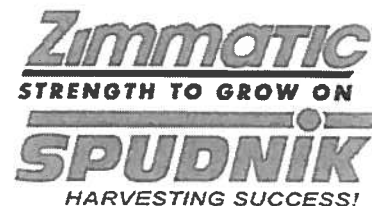


Double M Ag & Irrigation Inc.
522 Lincoln
American Falls, ID 83211

Estimate

Date	Estimate #
3/21/2014	235
Rep	DR

Name / Address
Lance Funk Farms P O Box 310 American Falls, ID 83211



Project

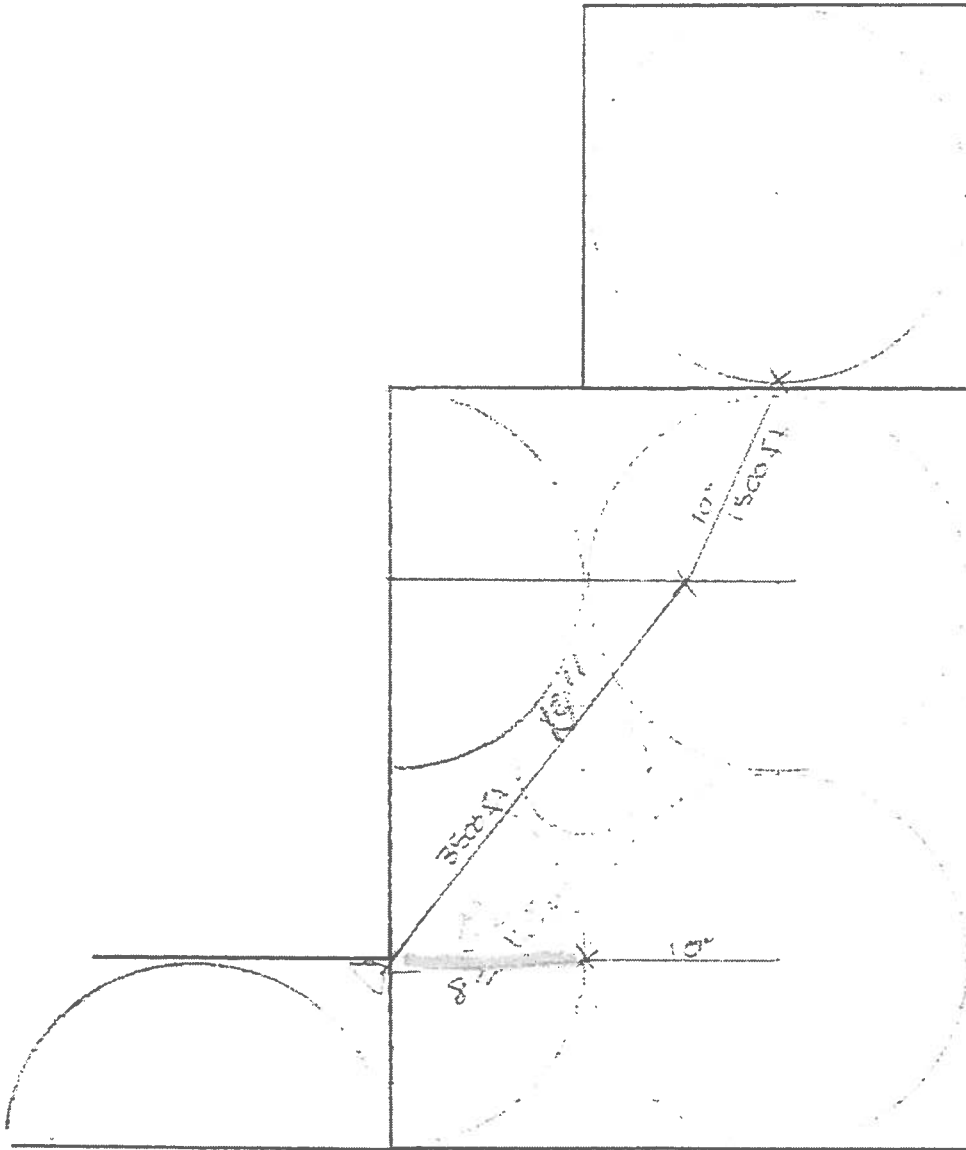
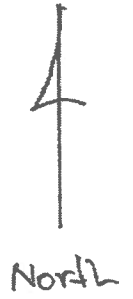
Qty	Item	Description	U/M	Price	Total
1,320	IPS8X125#	*** NEW POND SYSTEM SOUTH ** FT. 8' IPS 125# GASKETED PVC PIPE PR FT		3.97	5,240.40
20	IR MAINLINE	*** PUMP SUMP WITH WATER MASTER ** FT. 48" CMP		50.38	1,007.60
2	IR MAINLINE	EA. 15" BOLT STYLE STARTER COUPLING		12.42	0.00
100	IR PVC PIPE	FT. 15" 125 # PIP PVC PIPE		12.42	1,242.00
		Idaho Sales Tax		6.00%	0.00
				Total	\$7,490.00

Double M Ag & Irrigation Inc.

Signature _____

Phone #	Fax #
(208) 226-2555	(208) 709-2556

Thos Design 100'p ~~1000~~ hp
150 hp



LANE FUNK
Scale 1" = 330 ft

WYNN FARMS PROJECT

8100'	500 MCM USE ALUMINUM	\$2.25	\$	18,225.00
2700'	4/0 USE ALUMINUM	\$1.04		2,808.00
	CUT CHARGE			160.00
1400'	12-3 CONTROL WIRE	\$.70		980.00
1	SIZE 5 SQ D PANEL			3,187.50
1	SIZE 4 SQ D PANEL			1312.50
2	350-400 PHASE FAILURES	\$150.00		300.00
2	T10400 TIME DELAYS	\$137.50		275.00
2	120 VOLT 25 AMP RELAYS	\$40.00		80.00
2	3-POLE FUSE BLOCKS	\$10.18		20.36
6	KTK 5 AMP MIDGIT FUSES	\$11.30		67.80
1	HOFFMAN GUTTER 12 X 12 X 48			326.61
30'	DEEP SLOTTED UNISTRUT	\$2.25		67.50
16	SPRING-NUTS	\$.88		14.08
1	HOFFMAN WALLMOUNT ENCLOSURE			544.85
4	3" 36 RAD 90 PVC ELBOWS	\$27.17		92.68
4	3" EXPANSION COUPLERS	\$26.74		106.96
30'	3' SCH 80 PVC CONDUIT	\$3.30		99.00
10	3" TERMINAL ADAPTORS	\$2.14		21.40
10	3" STEEL LOCK-NUTS	\$1.65		16.50
10	3" 105 BUSHINGS	\$1.11		11.10
4	3" CONDUIT COUPLINGS	\$1.74		6.96
1	CAN CEMENT			4.11
6	K2A36U2N 600 MCM LUGS	\$29.19		175.14
3	ROLLS CODING TAPE - BLUE, ORANGE, YELLOW			16.30
6	K2A36U DUAL LUGS			68.64

TOTAL	\$	28,987.99
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1	100 H.P. PUMP 2100 GPM	\$	9,649.00
1	150 H.P. PUMP 2600 GPM		<u>11,890.00</u>

TOTAL			21,539.00
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1	100 H.P. PUMP MOTOR	\$	6,526.25
1	150 H.P. PUMP MOTOR		<u>9,593.75</u>

TOTAL		\$	16,120.00
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WIRE FROM PANELS TO MOTORS

100 H.P.

#20 2/0 FEEDERS

\$2.97

#6 GROUND

\$.96

2" CONDUIT

} 14.00 A FOOT

2	2" SEALTITE FLEX CONNECTOR	\$39.03	70.06
10'	2" SEALTITE FLEX CONNECTOR	\$ 6.15	61.50
	2" PVC CONNECTOR ELBOWS + L.B.		47.00

150 H.P.

4/0 FEEDERS

\$4.86

#6 GROUND

\$.96

2 1/2" CONDUIT

\$

} 19.50 A FOOT

	2 1/2" SEALTITE FLEX CONNECTOR	\$194.37	388.74
10	2 1/2" SEALTITE FLEX CONNECTOR	\$10.09	100.90
	2 1/2" CONNECTOR ELBOWS L.B.		108.00

LABOR AND BOOM TRUCK		\$	6,250.00
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45'	500 MCM COPPER	\$11.50	\$	517.50
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9,649.00

03-17-'14 15:39 FROM-Layne Pumps, INC

1-208-423-5137

T-709 P0003/0004 F-662



3797 N 3400 E Twin Falls, ID 8330

Phone: 208-733-3284

Fax: 208-423-5137

ORDER NO. _____

**PUMP ESTIMATE
AND ORDER**

DATE 3/17 20 14

DEALER

CUSTOMER

Duke's Electric
Wttr. Cliff

Route _____ Date Desired _____

PUMPING CONDITIONS

Inside Dia. of Well _____

Lift in Well _____

Capacity 2100 GPM

Depth of Well _____

Lift Above 75 Lbs. 174

Speed of Pump _____ RPM

Static Water Level _____

Column Friction _____

HP Required 112 hhp @ 82.5 gpm

Drawdown _____

Total Dynm. Head 174

Allowable Shaft HP _____

Number	DESCRIPTION	LIST PRICE	NET PRICE
	HP MOTOR Phase Volt Make RPM		
	{ With Without } Ratchet		
1	10 1/2" HEAD 10" Outlet { Water Lub Oil Lub }		
1	4 gal OILER volt Solenoid		
1	"X" "DISCHARGE NIPPLE { YOE TBE } 10' SETTING OF 10" X 2 1/2" X 1 1/2" in "Length		
1	13 "BOWLS H Type 3 Stage { Open Close } Ports { Bronze Cast Iron } Wear Rings		
	{ Bronze Cast Iron } Impellers { Oversize Standard } Shaft Fitted TOE TBE X X X		
	"X" "SUCTION { TOE TBE } ; Couplings		
1	14 "STRAINER { Bronze Galvanized } { Screwed Welded } { Basket Cone }		
	LABOR		

Company: Layne Pumps, Inc.

Oyke's Electric
Attn: Cliff

Name: Tawna Root



Date: 3/17/2014

FAIRBANKS NIJHUIS

Size: 13H.3 (3 stage)

Type: VERT. TURBINE
Synch speed: 1800 rpmSpeed: 1770 rpm
Dia: 8.375 inCurve:
Specific Speeds:
Ns: ---
Nss: ---

Impeller:

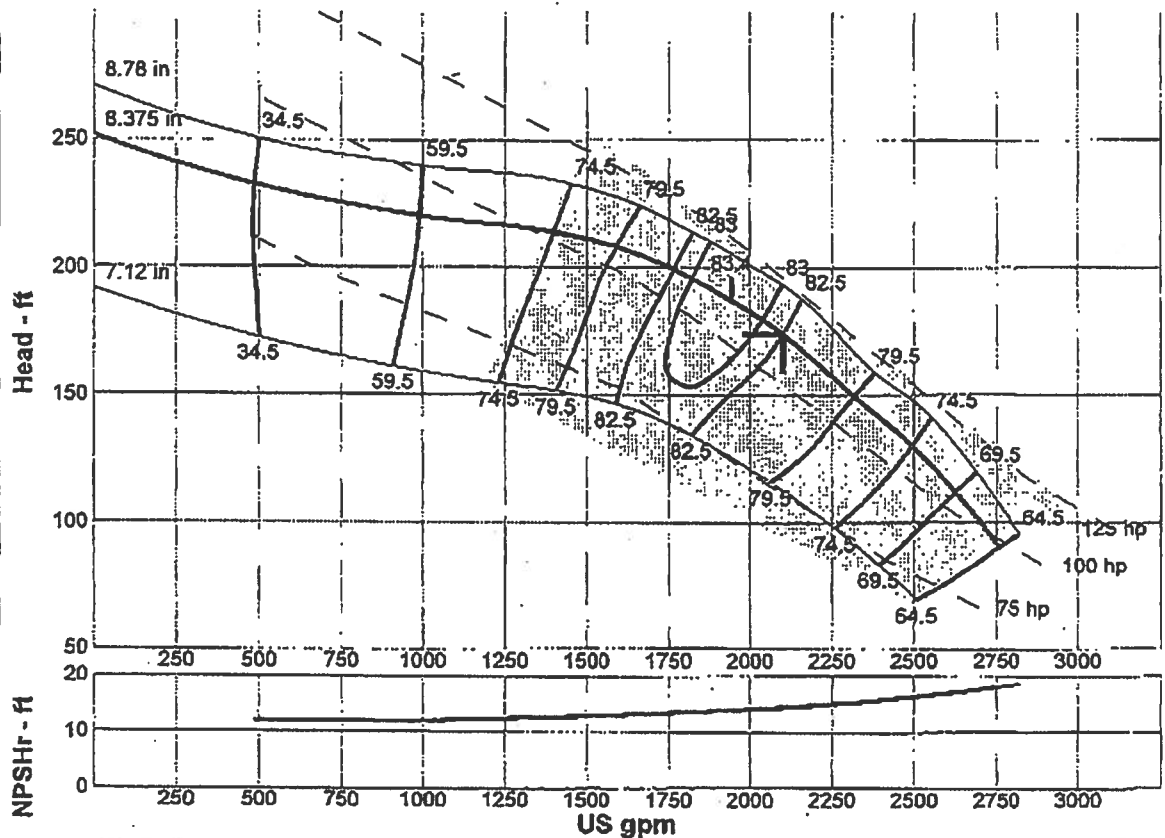
Dimensions:
Suction: 13 in
Discharge: 10 in
Vertical Turbine:
Bowl size: 12.9 in
Max lateral: 0.8 in
Thrust K factor: 12 lb/ft

Flow: 2100 US gpm

Head: 174 ft

Water
Density: 62.3 lb/ft³
Viscosity: 0.9946 cP
NPSHa: ---Temperature: 68 °F
Vapor pressure: 0.3391 psi a
Atm pressure: 14.7 psi aStandard: NEMA
Enclosure: TEFCSize: 125 hp
Speed: 1800
Frame: 444T

Sizing criteria: Max Power on Design Curve

Temperature: 150 °F
Pressure: 380 psi g
Sphere size: 1 inPower: 344 hp
Eye area: ---Flow: 2100 US gpm
Head: 174 ft
Eff: 82.5%
Power: 112 hp
NPSHr: 14.4 ftShutoff head: 252 ft
Shutoff dP: 109 psi
Min flow: ---
BEP: 83.4% @ 1945 US gpm
VOL power:
112 hp @ 2099 US gpmMax power:
124 hp @ 2158 US gpm

Curve efficiencies are typical. For guaranteed values, contact Fairbanks Morse or your local distributor. Las eficiencias en curvas son típicas. Para valores garantizados contacte a Fairbanks Morse o a su distribuidor local.

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
2520	1770	127	73.5	110	18.5
2100	1770	174	82.5	112	14.4
1680	1770	204	81	107	13.2
1260	1770	216	69.4	98.6	12.4
840	1770	224	52.1	89.7	12

13,538.00

3-17-'14 15:38 FROM-Layne Pumps, INC

1-208-423-5137

T-709 P0001/0004 F-662



LAYNE PUMPS
3797 N 3400 E Twin Falls, ID 833
Phone: 208-733-3284
Fax: 208-423-5137

ORDER NO. _____

PUMP ESTIMATE
AND ORDERDATE 3/17 2014

DEALER

CUSTOMER

Syke's Electric
Attn: Cliff

Route _____ Date Desired _____

PUMPING CONDITIONS

Inside Dia. of Well 50"

Lift in Well _____

Capacity 3300 GPMDepth of Well 50'Lift Above 8.5 Lbs. 197Speed of Pump 1770 RPM

Static Water Level _____

Column Friction _____

HP Required 203 hp @ 80.6 gpm

Drawdown _____

Total Dynm. Head 197

Allowable Shaft HP _____

Number	DESCRIPTION	LIST PRICE	NET PRICE
	HP MOTOR _____ Phase _____ Volt _____ Make _____ RPM _____		
	{ With } Ratchet _____ { Without }		
1	12" HEAD 12" Outlet { Water Lub } 4" OILER Volt Solenoid { Oil Lub }		
1	"DISCHARGE NIPPLE { TOE } SETTING OF 12" X 2 1/2" X 1 1/4" in _____ Length _____		
1	15" BOWLS H Type 3 Stage { Open } Ports { Bronze } Wear Rings Cast Iron { Cast Iron }		
	{ Bronze } Impellers { Oversize } Shaft Fitted _____ X _____ X _____ Cast Iron { Standard }		
	"X" SUCTION { YOE } _____ Couplings TBE		
1	15" STRAINER { Bronze } { Screwed } { Basket } { Cast Iron } { Welded } { Cone }		
	LABOR _____		

Company: Layne Pumps, Inc.

Name: Tawna Root

Date: 3/17/2014

Dyke's Electric
Attn: Cliff

FAIRBANKS NIJHUIS

Size: 15H.2+ (3 stage)

Type: VERT. TURBINE
Synch speed: 1800 rpm

Curve:

Specific Speeds:

Dimensions:

Vertical Turbine:

Speed: 1770 rpm
Dia: 9.3125 in

Impeller:

Ns: —

Nss: —

Suction: 14.75 in
Discharge: 12 inBowl size: 15 in
Max lateral: 0.86 in
Thrust K factor: 14.5 lb/ft

Flow: 3300 US gpm

Head: 197 ft

Water
Density: 62.3 lb/ft³
Viscosity: 0.9946 cP
NPSHa: —Temperature: 68 °F
Vapor pressure: 0.3391 psi a
Atm pressure: 14.7 psi aStandard: NEMA
Enclosure: TEFCSize: 250 hp
Speed: 1800
Frame: 447T

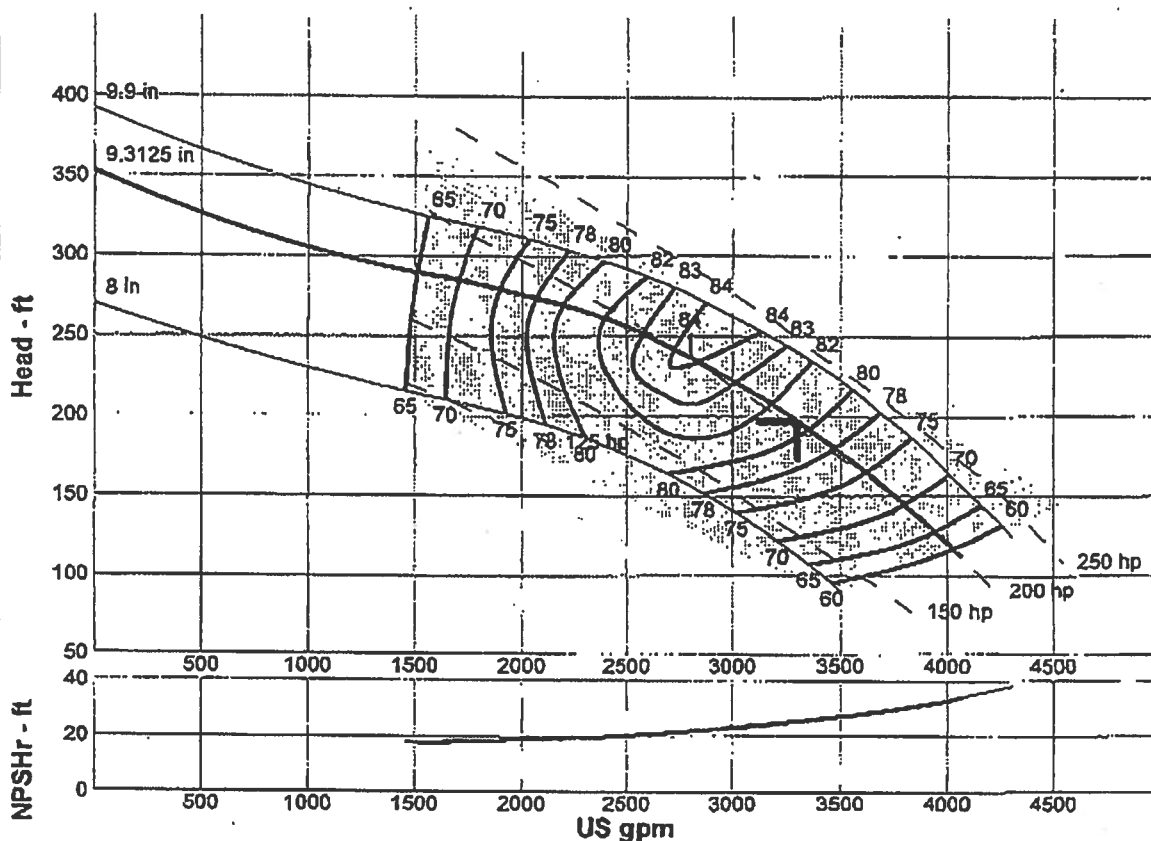
Sizing criteria: Max Power on Design Curve

Temperature: 150 °F
Pressure: 476 psi g
Sphere size: 1.31 inPower: 522 hp
Eye area: —

Flow: 3300 US gpm
Head: 197 ft
Eff: 80.6%
Power: 203 hp
NPSHr: 25.4 ft

Shutoff head: 354 ft
Shutoff dP: 153 psi
Min flow: —
BEP: 84% @ 2802 US gpm
NOL power:
204 hp @ 3181 US gpm

Max power:
244 hp @ 3555 US gpm



Curve efficiencies are typical. For guaranteed values, contact Fairbanks Morse or your local distributor. Las eficiencias en curvas son típicas. Para valores garantizados contacte a Fairbanks Morse o a su distribuidor local.

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
3960	1770	126	64.1	197	32.2
3300	1770	197	80.6	203	25.4
2640	1770	248	83.4	198	21
1980	1770	277	76.5	181	18.8
1320	1770	—	—	—	—

DYKES POLELINE ELECTRIC

3028 Poleline Rd.
Pocatello, ID 83201

Invoice

Date	Invoice #
6/26/2014	59495

Bill To
REDMAN, JIM FARMLAND MANAGMENT 301 E MAIN ST TURLOCK, CA 95380

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
	WYNN PROJECT		
1	100 PUMP 2100 GPM & 150 PUMP 2100 GPM	21,539.00	21,539.00
1	100 PUMP MOTOR & 150 PUMP MOTOR	16,120.00	16,120.00
	WIRE FOR PANEL TO MOTOR ON 100 HP MOTOR	949.60	949.60
	WIRE FOR PANEL TO MOTOR ON 150 HP MOTOR	1,191.18	1,191.18
	AS PER LIST FROM PROJECT	36,431.34	36,431.34

OFFICE COPY

Total

\$76,231.12



