



J-U-B ENGINEERS, INC.  
ENGINEERS SURVEYORS PLANNERS  
115 NORTHSTAR AVENUE  
TWIN FALLS, IDAHO 83301  
PHONE: 208-733-2414  
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# FAX TRANSMITTAL

JUB Project No: 62019-02

DATE: 6/14/01

TO: Mr. Mike Schroeder  
City of Twin Falls  
Water Department

FAX #: 208-736-1500  
Pages: 6 (Including Cover)

FROM: Tracy A. Ahrens, P.E.

PROJECT:

ITEM: Well Pump Test Reports

Mike, attached are the pump test results for the following wells:

South Well No. 4 - The two sheets dated 7/30/99.

Hankins Well No. 1 - First pump test - sheet dated 6/24/97, Second pump test - sheet dated 1/26/99.

Hankins Well No. 2 - Sheet dated 4/13/99.

If you have any questions, please let me know..

Thanks.

Please call if there is any problems with this transmittal.

Respectfully,



FROM : G. J. VERTI-LINE PUMPS INC.

FAX NO. : 208-733-5009

Jun. 07 2001 09:20AM P1

733-9455



**G. J. VERTI-LINE PUMPS, INC.**  
 1870 HIGHLAND AVE. EAST - P.O. BOX 892  
 (208) 733-4278 - FAX (208) 733-5009  
**TWIN FALLS, IDAHO**

**WELL TEST** For #4 well

NAME: City of Twin Falls DATE: 7-30-99  
 LOCATION: South of Twin Falls  
 WELL DEPTH: 333 ft CASING:  
 WELL SIZE: BOWLS: 12"  
 TEST PUMP SETTING: 300 ft. 293 ft. airline C.R. PIPE SIZE: 8" std x 6 1/2  
 STATIC WATER LEVEL: 119 ft. airline STARTING TIME: 8:30 am

TIME	PUMPING LEVEL	ORIFICE READING	GPM	MINERS INCHES	REMARKS
08:38	122 FT.	28.0"	1040 GPM	116"	clean 55 degree
08:50	122 FT.	28.0"	1040 GPM	116"	
09:10	122 FT.	28.0"	1040 GPM	116"	
09:30	122 FT.	28.0"	1040 GPM	116"	
Shut down -changed orifice to 7", recover to 76 PSI 117 ft.					
09:45	122 FT.	16.0"	1040 GPM	116"	54 degree
09:50	124 FT.	30.0"	1430 GPM	159"	
10:05	124 FT.	30.0"	1430 GPM	159"	
10:30	124 FT.	30.0"	1430 GPM	159"	
10:46	133 FT.	56.5"	1980 GPM	218"	slight lava
11:15	133 FT.	56.5"	1980 GPM	218"	
11:30 change orifice pipe to 10" std x 8 1/2 - recovery to 117 ft.					
11:40	131 FT.	40.0"	2220 GPM	247"	
12:30	133 FT.	39.0"	2200 GPM	244"	
12:35	136 FT.	47.0"	2400 GPM	267"	
01:00	136 FT.	46.0"	2380 GPM	264"	
01:15	136 FT.	46.0"	2380 GPM	264"	
Surged well 4 times (No Material)					
01:40	136 FT.	46.0"	2380 GPM	264"	
02:00	136 FT.	46.0"	2380 GPM	264"	
Recovery Check					
02:00	136 FT.	46.0"	2380 GPM	264"	
02:10	126 FT.	30.0"	1920 GPM	213"	
02:20	124 FT.	18.0"	1500 GPM	167"	
02:30	119 FT.	8.0"	1000 GPM	111"	

shut down - well has a very fast recovery

FROM : G.J. VERTI-LINE PUMPS INC.

FAX NO. : 208-733-5009

Jun. 07 2001 09:20AM P2



**G. J. VERTI-LINE PUMPS, INC.**  
 1870 HIGHLAND AVE. EAST - P.O. BOX 892  
 (208) 733-1278 - FAX (208) 733-5009  
**TWIN FALLS, IDAHO**

**WELL TEST For #4 Well**

NAME: City of Twin Falls  
 LOCATION: South of Twin Falls  
 WELL DEPTH: 333 ft.  
 WELL SIZE:  
 TEST PUMP SETTING: 300 ft. 293 ft. airline  
 STATIO WATER LEVEL: 119 ft. airline  
 DATE: 7-30-99  
 SIZES:  
 SOWLS: 3 stg 14F  
 ORIFICE SIZE: 10" std x 9 1/4"  
 STARTING TIME: 9:00 AM

TIME	PUMPING LEVEL	ORIFICE READING	GPM	MINERS INCHES	REMARKS
8-3-99 start time: 9:00 am					
09:05	119 FT.	8.0"	1700 GPM	189"	
09:15	126 FT.	16.0"	2200 GPM	244"	
10:00	134 FT.	22.0"	2500 GPM	278"	
10:30	142 FT.	34.5"	3025 GPM	396"	Slight Air
11:00	170 FT.	48.0"	3800 GPM	389"	Air
12:30	Back it off to 3000 gallons - air				
01:30	163 FT.	33.0"	2950 GPM	326"	Air
02:30	145 FT.	27.0"	2700 GPM	300"	Slight Air
03:50	140 FT.	22.0"	2500 GPM	278"	No air
05:00	Shut down		2500 GPM	278"	



# G. J. Verti-Line Pumps, Inc.

1970 Highland Ave E.  
P. O. Box 892  
Twin Falls, Id 83301  
(208)733-4278 - Office  
(208)733-5009 - Fax

*1st pump test*

## WELL TEST For Hankins #1

NAME: City of Twin Falls  
LOCATION: 1-E, 1/4 N Town  
WELL DEPTH: 500 ft.  
WELL SIZE: 16"  
TEST PUMP SETTING: 370 ft.  
STATIC WATER LEVEL: 60 ft.

DATE: 6-24-97  
CASING: 16"  
BOWLS: 14R  
ORIFICE SIZE: 10 std x 8"  
STARTING TIME: 8:00 am

TIME:	PUMPING LEVEL	ORIFICE READING	GPM	MINERS INCHES	REMARKS
8:20	?	10"	920 GPM	102"	58 degree temp - clean
9:45	?	9.75"	900 GPM	100"	
11:30	?	9.75"	900 GPM	100"	
12:20	?	9.5"	890 GPM	99"	

Picked flow up to 1500 GPM. Starting pumping air and surging slowed down to 1200 GPM

12:40	106 FT.	18.25"	1230 GPM	137"	Air
1:15		16.5"	1160 GPM	129"	Air
2:00	82 FT.	13.5"	1060 GPM	117"	Air
4:08	71.5 FT.	10.25"	930 GPM	103"	

Surged well many, many times

6:00	74 FT.	8.5"	840 GPM	93"	
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When capacity was cut back, the water would be free of air for approximately two minutes, and then would be back again.

Any water pumped below the 74 ft. level was very ariated. The engineers used an electric sounder but was unable to get correct readings. When we acquired a compressor to put out over 120 PSI, we then got the correct readings from the airline.

The water was clean after some cuttlings were pumped out.

FROM : G. J. VERTI-LINE PUMPS INC.

FAX NO. : 208-733-5009

Jun. 06 2001 05:11PM P1



**G. J. VERTI-LINE PUMPS, INC.**  
 1970 HIGHLAND AVENUE, EAST - P.O. BOX 892  
 (208) 733-4278 - Fax (208) 733-6009  
**TWIN FALLS, IDAHO**

*2nd pump test*

**WELL TEST FOR Hankins #1**

NAME: City of Twin Falls DATE: 1-28-99  
 LOCATION:  
 WELL DEPTH: 498 ft. CASING: 18"  
 WELL SIZE: 16" ROWLS: 14R  
 TEST PUMP SETTING: 380 ft. with airline ORIFICE SIZE: 10" std x 8"  
 STATIC WATER LEVEL: Airline 82 ft. STARTING TIME: 9:50

TIME	PUMPING LEVEL	ORIFICE READING	GPM	MINERS INCHES	REMARKS
10:10	68 FT. (airline)	10.0"	900 GPM	100"	
10:30	70 FT.	10.0"	900 GPM	100"	
10:50	72 FT.	8.5"	840 GPM	93"	slight air
11:15	75 FT.	7.5"	780 GPM	87"	air
12:15	88 FT.	6.0"	700 GPM	78"	air
12:55	92 FT.	5.5"	680 GPM	76"	air

Slowed down to 4" 600 GPM

01:02	81 FT.	5.0"	640 GPM	71"	air
02:00	83 FT.	4.5"			

Slowed down to 4" 600 GPM

02:10	80 FT.	4.0"	600 GPM	67"	
02:50	80 FT.	4.0"	600 GPM	67"	slight air
03:00	81 FT.		575 GPM	64"	slight air

Shut down engines - Recover to 70 ft. fast  
 57 degree temp  
 A lot of water coming in at 75 ft.

