

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-15356

Exam Date: 4/11/2013

1. Current Owner: LEWISTON ORCHARDS IRRIGATION DISTRICT
1520 POWERS AVE
LEWISTON ID 83501
(208)746-8235
2. Accompanied by: (JUB) Cory Baune
Phone No: 208-746-9010
Address: 1630 23rd Avenue Lewiston ID 83501
Relationship to Permit Holder: PE (JUB Engineers)

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 85-7146, 85-7428, 85-7638
2. Other water rights with the same point of diversion: 85-7428, 85-7638

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4NW1/4 Sec. 22, Twp 35N, Rge 05W, B.M. NEZ PERCE County

Method of Determination: GPS, MAPS

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
35N 04W 18							X L 2			X L 3	X L 4	X					
35N 05W 7			X			X L 1	X L 2	X	X	X L 3		X	X	X	X	X	
35N 05W 8				X					X	X	X	X	X	X	X	X	
35N 05W 9										X	X	X					
35N 05W 10											X	X			X		
35N 05W 13							X	X	X	X	X	X	X		X	X	
35N 05W 14			X	X		X	X	X	X	X	X	X	X	X	X	X	
35N 05W 15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
35N 05W 16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
35N 05W 17	X	X	X	X	X	X	X	X	X	X			X	X		X	
35N 05W 18	X	X	X	X	X			X					X	X			
35N 05W 20	X																
35N 05W 21	X	X	X	X	X	X	X	X									
35N 05W 22	X	X	X	X	X	X	X	X									
35N 05W 23	X	X	X	X	X			X									
35N 06W 12				X									X				

Method of Determination:

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

WELL #4 300 HP PUMP FLOW METER 2.31 CFS /TAG # A0003204 ID D0022736



F. VOLUME CALCULATIONS: NO VOLUME ON THIS WATER RIGHT**G. NARRATIVE/REMARKS/COMMENTS:**

(IDWR) Idaho Department of Water Resources sent a amendment of permit to (LOID) Lewiston Orchards Irrigation to add wells #2 and #3 on 04/24/2103. The amendment was never returned to IDWR. A copy of the amendment is attached to this report.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
MUNICIPAL	01/01 to 12/31	2.310 CFS
<u>Totals:</u>		2.310 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name *Eric [Signature]* Date *1-30-2014*

Reviewer *Boyd E. Franklin* Date *2/4/2014*



WELL #4 POD.JPG



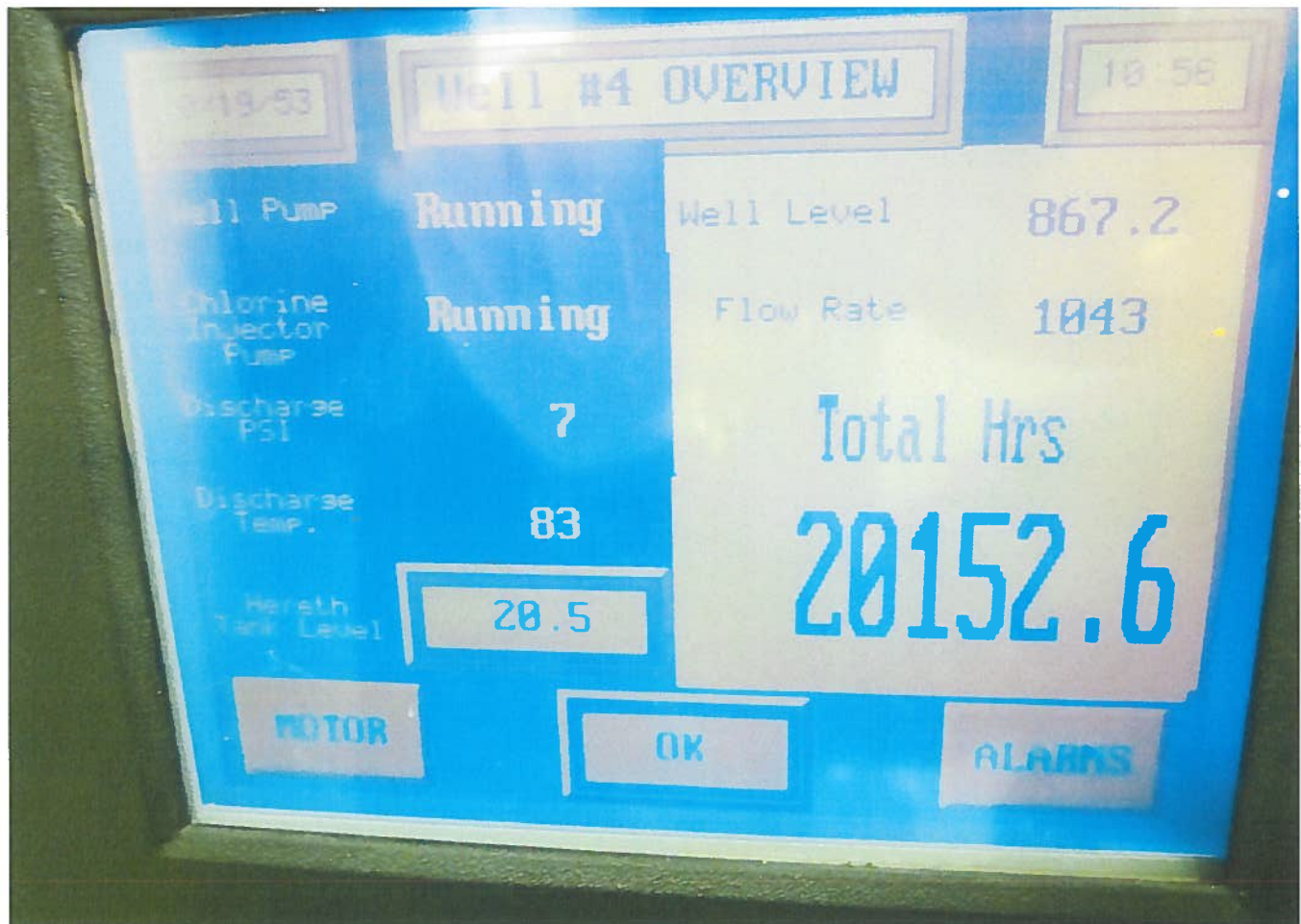
WELL #4 .JPG



WELL #4 FLOW
METER.JPG



WELL #4 FLOW.JPG







State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 Mineral Drive. Suite 100, Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 FAX: (208) 762-2819 www.idwr.idaho.gov

COPY

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

04/24/2013

LEWISTON ORCHARDS IRRIGATION DISTRICT
1520 POWERS AVE
LEWISTON ID 83501

RE: Water Right Permit No. 85-15356

Dear Permit Holder(s):

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211, Idaho Code. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

Based on the examiner's report, the following elements were developed differently than described on your permit:

☒ **Point(s) of Diversion**

☐ **Place(s) of Use**

☐ **Other**

The enclosed Application for Amendment form depicts the elements of the water right as they will appear on the license when it is issued. Please review the amendment form carefully. If you concur with the information presented, please sign the form and return it with the \$100.00 filing fee within 14 days.

If you have any questions, please call me at 208-762-2800.

Sincerely,
Eric Davis
Senior Water Resource Agent
Northern Regional Office

State of Idaho
Department of Water Resources
APPLICATION FOR AMENDMENT

(For Licensing Purposes)

WATER RIGHT NO. 85-15356

COPY

Date of Priority: November 16, 2007

Maximum Diversion Rate:

3.34 CFS

Maximum Diversion Volume:

Comes now LEWISTON ORCHARDS IRRIGATION DISTRICT

1520 POWERS AVE

LEWISTON ID 83501

and represents to the Director of the Idaho Department
of Water Resources that he is the owner and holder of Permit to Appropriate the Public Waters of the
State of Idaho No. 85-15356, and requests that the permit be changed as follows:

Source: GROUND WATER

BENEFICIAL USE

MUNICIPAL

PERIOD OF USE

01/01 to 12/31

RATE OF DIVERSION

3.34 CFS

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NE1/4NW1/4 Sec. 22, Twp 35N, Rge 05W, B.M. NEZ PERCE County

GROUND WATER SE1/4SW1/4 Sec. 10, Twp 35N, Rge 05W, B.M. NEZ PERCE County

GROUND WATER SW1/4SW1/4 Sec. 17, Twp 35N, Rge 04W, B.M. NEZ PERCE County

PLACE OF USE:

MUNICIPAL

Permit holder asserts that no one will be injured by such change and that such change will be made at
permit holder's own risk. Signed this _____ day of _____, 200__.

(Signature)

State of Idaho
Department of Water Resources
APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 85-15356

COPY

FOR DEPARTMENT USE ONLY

Preliminary check by _____ Fee = _____ Received by _____ # _____ Date _____

ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, GARY SPACKMAN, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 85-15356 with the following:

CONDITIONS OF APPROVAL

1. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustrative purposes.
2. Place of use is within the service area of Lewiston Orchards Irrigation District municipal water supply system as provided for under Idaho Law.
3. This right does not grant any right-of-way or easement across the land of another.

Witness my hand this _____ day of _____, 2013.

GARY SPACKMAN
Director

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0022736
 DRILLING PERMIT NO. 784458
 Other IDWR No. WATER RIGHT No. 85-15356

2. OWNER:
Name LEWISTON DECHARDS Treeigation DIST.
Address 1520 POWERS AVE
City LEWISTON State MD Zip 83501

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

A 4x4 grid with an 'X' in the top-left cell. The grid is labeled with 'N' at the top, 'S' at the bottom, 'E' on the right, and 'W' on the left.

Twp. 35 North ☒ or South ☐
Rge. 05 East ☐ or West ☒
Sec. 22 NW 1/4, NE 1/4, NW 1/4
Gov't Lot _____ County NE PERM
Lat: _____ Long: _____
Address of Well Site 530 POWERS AVE
City LEWISTON

(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/FILTER			PACK		AMOUNT	METHOD
Material	From	To	Sacks or Pounds			
CEMENT	0	265	330 SKS		TREMINIE	
CEMENT	836	886	20 SKS		TREMINIE	

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
20"	0	457	375	STEEL	☒	☐	☒	☐
18"	444	866	375	STEEL	☒	☐	☒	☐
16"	SEE ATTACHMENT				☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations	Method
--------------	--------

Screens Screen Type *CARSON STEEL*

From	To	Slot Size	Number	Diameter	Material	Casing	Linear
SEE ATTACHED						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

845 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices:

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1000+GPM	N/A	N/A	4 HRS
DRILL STEM AT 1600'			

Water Temp. 76°F - 81° Bottom hole temp. 81°F

Water Quality test or comments:

Depth first Water Encounter 1026

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

[illegible]

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name S/O-1 FCN EXPLORATIONS Firm No. 610

Firm Official [Signature] Date 1/8/05

Driller or Operator Not RTH Date 1-8-03

(Sign once if Firm Official & Operator)



Geo-Tech Explorations, Inc.
19700 SW Teton
Tualatin, OR 97062
Ph: (503) 692-6400, Fax: (503) 692-4759

Well Name:	Lewiston Orchards Irrigation District Well No. 4
Well Tag No.	85-1535
Drilling Permit #	784458
Well ID #	355519
Water Right No.	85-15356

Bore Dia.	From	To	LITHOLOGIC LOG	Water	
				Yes	No
24"	0	2	Fill Rock		x
" "	2	3	Top Soil		x
" "	3	18	Silty Clay, Brown, some gravels		x
" "	18	60	Basalt weathered fractured		x
" "	60	78	Clay brown sticky		x
" "	92	260	Basalt fractured medium		x
" "	260	265	Basalt fractured lenses of shale black coal like		x
20"	265	283	Basalt fractured lenses of shale black coal like		x
" "	283	310	Basalt fractured with gray claystone		x
" "	310	320	Basalt medium		x
" "	320	371	Claystone soft green some tan		x
" "	371	396	Basalt cuttings rounded gray with clay foam color brown to green		x
" "	396	423	Med soft cuttings same as above foam color brown		x
" "	423	456	Extremely soft holding back on bit cuttings same as above foam color brownish gray. Large chunks of gray claystone on bit when removed. Caving problems from 230' to 456'		x
" "	456	465	Basalt vesicular black		x
" "	465	487	Basalt gray to black medium		x
" "	487	492	Basalt vesicular black		x
" "	492	640	Basalt fractured black		x
" "	640	680	Claystone brown		x
" "	680	701	Basalt broken weathered		x
" "	701	735	Basalt fractured black		x
" "	735	759	Basalt gray hard		x
" "	759	767	Basalt vesicular black		x
" "	767	837	Basalt fractured black		x
" "	837	866	Basalt fractured black some red		x
18"	866	952	Basalt black		x
" "	952	963	Basalt black with brown claystone		x
" "	963	988	Basalt black fractured		x
" "	988	1028	Basalt black		x
" "	1028	1049	Basalt black with brown scoria	x	
" "	1049	1060	Basalt black		x
" "	1060	1110	Basalt black with brown		x
" "	1110	1168	Basalt black		x
" "	1168	1182	Basalt black with brown scoria	x	
" "	1182	1208	Basalt black		x
" "	1208	1229	Basalt black with gray		x
" "	1229	1246	Basalt black with brown scoria	x	
" "	1246	1252	Basalt black		x
" "	1252	1264	Scoria black		x
" "	1264	1266	Basalt black with gray		x
12"	1266	1390	Basalt black with gray		x
" "	1390	1415	Scoria brown	x	
10"	1417	1577	Basalt black		x
" "	1577	1601	Basalt black with brown	x	
" "	1601	1625	Basalt black		x



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Well Name:	Lewiston Orchards Irrigation District Well No. 4
Well Tag No.	D0022736
Drilling Permit #	784458
Well ID #	355519
Water Right No.	85-15356

Bore Dia.	From	To	LITHOLOGIC LOG	Water	
				Yes	No
24"	0	2	Fill Rock		x
" "	2	3	Top Soil		x
" "	3	18	Silty Clay, Brown, some gravels		x
" "	18	60	Basalt weathered fractured		x
" "	60	76	Clay brown sticky		x
" "	92	260	Basalt fractured medium		x
" "	260	285	Basalt fractured lenses of shale black coal like		x
20"	285	283	Basalt fractured lenses of shale black coal like		x
" "	283	310	Basalt fractured with gray claystone		x
" "	310	320	Basalt medium		x
" "	320	371	Claystone soft green some tan		x
" "	371	398	Basalt cuttings rounded gray with clay foam color brown to green		x
" "	398	423	Med soft cuttings same as above foam color brown		x
" "	423	456	Extremely soft holding back on bit cuttings same as above foam color brownish gray. Large chunks of gray claystone on bit when removed. Caving problems from 230' to 456'		x
" "					x
" "	456	485	Basalt vesicular black		x
" "	485	487	Basalt gray to black medium		x
" "	487	492	Basalt vesicular black		x
" "	492	640	Basalt fractured black		x
" "	640	680	Claystone brown		x
" "	680	701	Basalt broken weathered		x
" "	701	735	Basalt fractured black		x
" "	735	759	Basalt gray hard		x
" "	759	767	Basalt vesicular black		x
" "	767	837	Basalt fractured black		x
" "	837	868	Basalt fractured black some red		x
18"	868	952	Basalt black		x
" "	952	983	Basalt black with brown claystone		x
" "	983	988	Basalt black fractured		x
" "	988	1028	Basalt black		x
" "	1028	1049	Basalt black with brown scoria	x	
" "	1049	1060	Basalt black		x
" "	1060	1110	Basalt black with brown		x
" "	1110	1168	Basalt black		x
" "	1168	1182	Basalt black with brown scoria	x	
" "	1182	1208	Basalt black		x
" "	1208	1229	Basalt black with gray		x
" "	1229	1246	Basalt black with brown scoria	x	
" "	1246	1252	Basalt black		x
" "	1252	1264	Scoria black		x
" "	1264	1266	Basalt black with gray		x
12"	1266	1390	Basalt black with gray		x
" "	1390	1415	Scoria brown	x	
10"	1417	1577	Basalt black		x
" "	1577	1601	Basalt black with brown	x	
" "	1601	1625	Basalt black		x



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Well Name:	Lewiston Orchards Irrigation District Well No. 4
Well Tag No.	D0022736
Drilling Permit #	784458
Well ID #	355519
Water Right No.	85-15356

Bore Dia.	From	To	LITHOLOGIC LOG	Water	
				Yes	No
24"	0	2	Fill Rock		x
" "	2	3	Top Soil		x
" "	3	18	Silty Clay, Brown, some gravels		x
" "	18	60	Basalt weathered fractured		x
" "	60	76	Clay brown sticky		x
" "	92	260	Basalt fractured medium		x
" "	260	285	Basalt fractured lenses of shale black coal like		x
20"	285	283	Basalt fractured lenses of shale black coal like		x
" "	283	310	Basalt fractured with gray claystone		x
" "	310	320	Basalt medium		x
" "	320	371	Claystone soft green some tan		x
" "	371	396	Basalt cuttings rounded gray with clay foam color brown to green		x
" "	396	423	Med soft cuttings same as above foam color brown		x
" "	423	456	Extremely soft holding back on bit cuttings same as above foam color brownish gray. Large chunks of gray claystone on bit when removed. Caving problems from 230' to 456'		x
" "					x
" "	456	465	Basalt vesicular black		x
" "	465	487	Basalt gray to black medium		x
" "	487	492	Basalt vesicular black		x
" "	492	640	Basalt fractured black		x
" "	640	680	Claystone brown		x
" "	680	701	Basalt broken weathered		x
" "	701	735	Basalt fractured black		x
" "	735	759	Basalt gray hard		x
" "	759	767	Basalt vesicular black		x
" "	767	837	Basalt fractured black		x
" "	837	866	Basalt fractured black some red		x
18"	866	952	Basalt black		x
" "	952	963	Basalt black with brown claystone		x
" "	963	988	Basalt black fractured		x
" "	988	1028	Basalt black		x
" "	1028	1049	Basalt black with brown scoria	x	
" "	1049	1060	Basalt black		x
" "	1060	1110	Basalt black with brown		x
" "	1110	1168	Basalt black		x
" "	1168	1182	Basalt black with brown scoria	x	
" "	1182	1208	Basalt black		x
" "	1208	1229	Basalt black with gray		x
" "	1229	1246	Basalt black with brown scoria	x	
" "	1246	1252	Basalt black		x
" "	1252	1264	Scoria black		x
" "	1264	1266	Basalt black with gray		x
12"	1266	1390	Basalt black with gray		x
" "	1390	1415	Scoria brown	x	
10"	1417	1577	Basalt black		x
" "	1577	1601	Basalt black with brown	x	
" "	1601	1625	Basalt black		x



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Bore Dia.	From	To	LITHOLOGIC LOG	Water	
				Yes	No
24"	0	2	Fill Rock		x
" "	2	3	Top Soil		x
" "	3	18	Silty Clay, Brown, some gravels		x
" "	18	60	Basalt weathered fractured		x
" "	60	76	Clay brown sticky		x
" "	92	260	Basalt fractured medium		x
" "	260	265	Basalt fractured lenses of shale black coal like		x
20"	265	283	Basalt fractured lenses of shale black coal like		x
" "	283	310	Basalt fractured with gray claystone		x
" "	310	320	Basalt medium		x
" "	320	371	Claystone soft green some tan		x
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" "	396	423	Med soft cuttings same as above foam color brown		x
" "	423	456	Extremely soft holding back on bit cuttings same as above foam color brownish		x
" "			gray. Large chunks of gray claystone on bit when removed. Caving problems		x
" "			from 230' to 456'		x
" "	456	465	Basalt vesicular black		x
" "	465	487	Basalt gray to black medium		x
" "	487	492	Basalt vesicular black		x
" "	492	640	Basalt fractured black		x
" "	640	680	Claystone brown		x
" "	680	701	Basalt broken weathered		x
" "	701	735	Basalt fractured black		x
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" "	837	866	Basalt fractured black some red		x
18"	866	952	Basalt black		x
" "	952	963	Basalt black with brown claystone		x
" "	963	988	Basalt black fractured		x
" "	988	1028	Basalt black		x
" "	1028	1049	Basalt black with brown scoria	x	
" "	1049	1060	Basalt black		x
" "	1060	1110	Basalt black with brown		x
" "	1110	1168	Basalt black		x
" "	1168	1182	Basalt black with brown scoria	x	
" "	1182	1208	Basalt black		x
" "	1208	1229	Basalt black with gray		x
" "	1229	1246	Basalt black with brown scoria	x	
" "	1246	1252	Basalt black		x
" "	1252	1264	Scoria black		x
" "	1264	1266	Basalt black with gray		x
12"	1266	1390	Basalt black with gray		x
" "	1390	1415	Scoria brown	x	
10"	1417	1577	Basalt black		x
" "	1577	1601	Basalt black with brown	x	
" "	1601	1625	Basalt black		x

Production zone screen and blank as built for
LOID well # 4

