



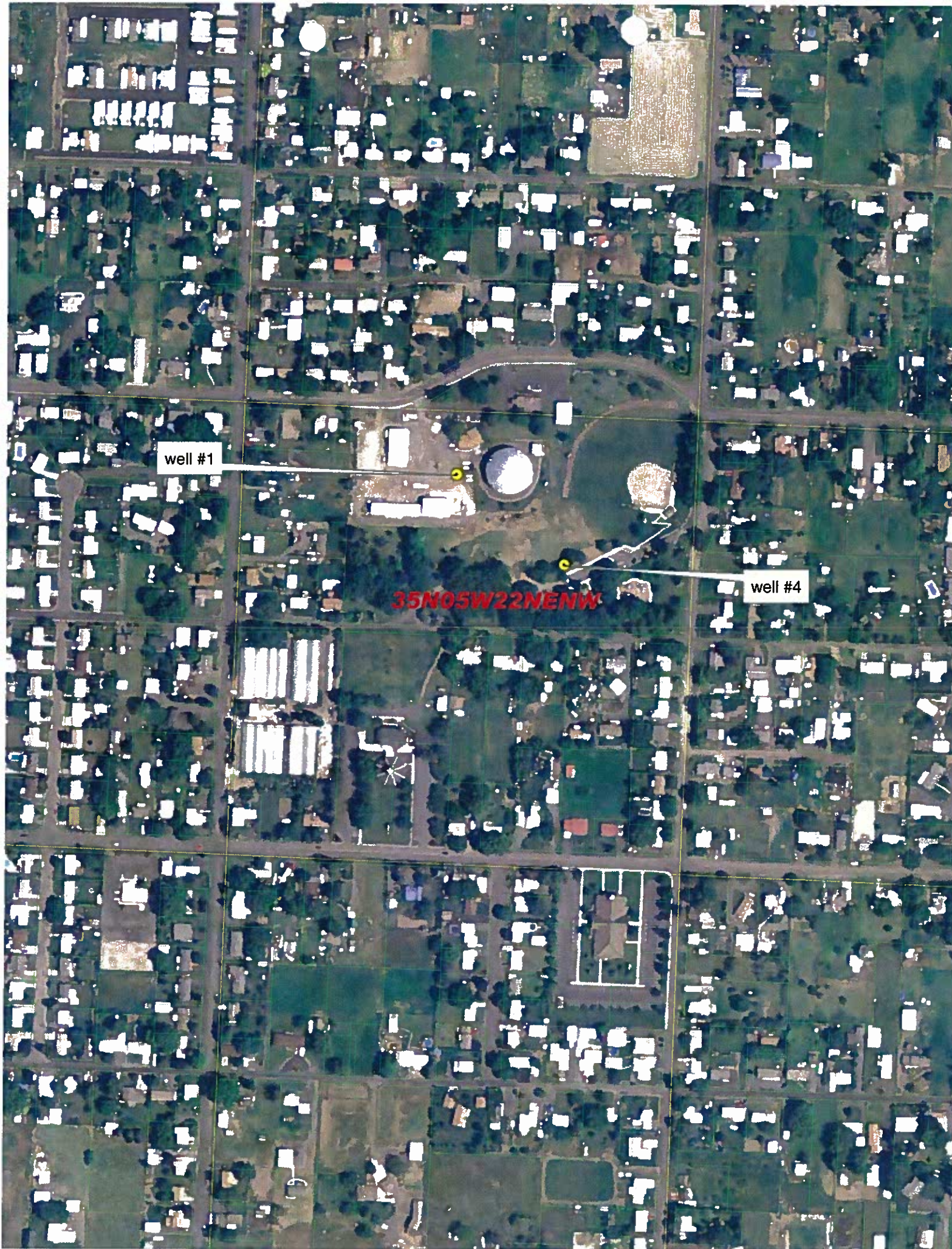
J-U-B ENGINEERS, Inc.
Engineers • Surveyors • Planners
1630 23rd Avenue, Suite 1101-A
Lewiston, ID 83501
(208) 746-9010
Fax: (208) 746-9926

MEMORANDUM

Date: November 7, 2008
To: Keith Franklin, IDWR
From: Jonathan Netzloff
Subject: Location of Water Right for Well #1
CC:
Project: 21-07-001

Per our phone conversation yesterday I have reviewed Water Right #85-7146 for Well #1 serving the Lewiston Orchards Irrigation District (LOID). I have found that the documentation of IDWR shows this well to be in the incorrect location. The license attached depicts the location to be the SW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 17, T 35N, R 4W. I have also attached a graphic showing the actual location of Well #1 at NE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 22, T 35N, R 5W. We would like to continue to pursue relocation of this water right to its actual location as it was not done in the past. Water Right #85-7428 for Well #2 is correct in location and volume.

Please review this to assess if I am correct in my determination. Do not hesitate to call should you have any questions.



well #1

35N05W22NENW

well #4

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

USE TYPEWRITER OR
BALLPOINT PEN

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Lewiston Orchard Irrigation District</u> Address <u>1520 Powell Ave. Lewiston, Idaho</u> Owner's Permit No. <u>Appl. # 839146</u>	7. WATER LEVEL Static water level <u>835</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ °F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☒ Cap ☐ Plug																																																																																																																																																																																																																												
2. NATURE OF WORK <u>85-78-N-16</u> ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____	8. WELL TEST DATA ☒ Pump ☐ Bailor ☐ Other <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Drawdown</th> <th>Hours Pumped</th> </tr> <tr> <td>550</td> <td>146'</td> <td>2.5 hrs.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Discharge G.P.M.	Drawdown	Hours Pumped	550	146'	2.5 hrs.																																																																																																																																																																																																																						
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3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection	8. LITHOLOGIC LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th colspan="2">Water</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr><td>22</td><td>0</td><td>70</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>70</td><td>75</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>22</td><td>75</td><td>85</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>85</td><td>90</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>22</td><td>90</td><td>155</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>155</td><td>160</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>22</td><td>160</td><td>275</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>275</td><td>450</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>22</td><td>450</td><td>470</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>470</td><td>480</td><td>Clay Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>480</td><td>520</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>22</td><td>520</td><td>535</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>22</td><td>535</td><td>600</td><td>Basalt Clay</td><td></td><td>X</td></tr> <tr><td>20</td><td>600</td><td>620</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>620</td><td>635</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>20</td><td>635</td><td>650</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>650</td><td>670</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>670</td><td>740</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>740</td><td>770</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>770</td><td>825</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>825</td><td>870</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>870</td><td>920</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>920</td><td>945</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>945</td><td>960</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>20</td><td>960</td><td>1000</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1000</td><td>1040</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1040</td><td>1080</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1080</td><td>1160</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1160</td><td>1200</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1200</td><td>1250</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1250</td><td>1280</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1280</td><td>1375</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1375</td><td>1425</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1425</td><td>1500</td><td>Basalt</td><td></td><td>X</td></tr> <tr><td>12</td><td>1500</td><td>1520</td><td>Basalt</td><td></td><td>X</td></tr> </tbody> </table>	Hole Diam.	Depth		Material	Water		From	To	Yes	No	22	0	70	Basalt		X	22	70	75	Clay		X	22	75	85	Basalt		X	22	85	90	Clay		X	22	90	155	Basalt		X	22	155	160	Clay		X	22	160	275	Basalt		X	22	275	450	Clay		X	22	450	470	Basalt		X	22	470	480	Clay Basalt		X	22	480	520	Basalt		X	22	520	535	Clay		X	22	535	600	Basalt Clay		X	20	600	620	Basalt		X	20	620	635	Clay		X	20	635	650	Basalt		X	20	650	670	Basalt		X	20	670	740	Basalt		X	20	740	770	Basalt		X	20	770	825	Basalt		X	20	825	870	Basalt		X	20	870	920	Basalt		X	20	920	945	Basalt		X	20	945	960	Basalt		X	20	960	1000	Basalt		X	12	1000	1040	Basalt		X	12	1040	1080	Basalt		X	12	1080	1160	Basalt		X	12	1160	1200	Basalt		X	12	1200	1250	Basalt		X	12	1250	1280	Basalt		X	12	1280	1375	Basalt		X	12	1375	1425	Basalt		X	12	1425	1500	Basalt		X	12	1500	1520	Basalt		X
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4. METHOD DRILLED ☐ Cable ☒ Rotary ☐ Dug ☐ Other	5. WELL CONSTRUCTION 12-1/4"-22"-20" Diameter of hole _____ inches Total depth <u>1520</u> feet Casing schedule: ☒ Steel ☐ Concrete <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>3/8 inches</td> <td>24 inches</td> <td>0 feet</td> <td>33 feet</td> </tr> <tr> <td>3/8 inches</td> <td>16 inches</td> <td>0 feet</td> <td>1009 feet</td> </tr> <tr> <td>3/8 inches</td> <td>8 inches</td> <td>994 feet</td> <td>1520 feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☒ Yes ☐ No Perforated? ☒ Yes ☐ No How perforated? ☒ Factory ☐ Knife ☐ Torch Size of perforation <u>1/8</u> inches by <u>2-1/2</u> inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>8 slots/ft perforations</td> <td>994 feet</td> <td>1496 feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>33</u> Material used in seal: ☒ Cement grout ☐ Puddling clay ☐ Well cuttings Sealing procedure used: ☒ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth	Thickness	Diameter	From	To	3/8 inches	24 inches	0 feet	33 feet	3/8 inches	16 inches	0 feet	1009 feet	3/8 inches	8 inches	994 feet	1520 feet													Number	From	To	8 slots/ft perforations	994 feet	1496 feet																																																																																																																																																																																										
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6. LOCATION OF WELL Sketch map location must agree with written location. <u>PO</u> Subdivision Name <u>Lewiston Orch. Irrigation District</u> Tract No. <u>4</u> Lot No. <u>3</u> Block No. <u>64</u> County <u>Nez Perce</u> <u>NE 1/4 NW 1/4 Sec. 22, T. 35N N/8, R. 3W E/W</u>	11. DRILLERS CERTIFICATION Firm Name <u>Layne-Western Co. Inc.</u> Firm No. <u>104</u> E. B. Lubdorff Div. Address <u>P.O. Box 336, Moses Lake</u> Date <u>4-28-78</u> Signed by (Firm Official) <u>[Signature]</u> and <u>[Signature]</u> (Operator)																																																																																																																																																																																																																												

Permit IO
744581
Well IO
283048

85

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

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 IDWA No. WATER RIGHT No. 85-15356

2. OWNER:
Name LEWISTON DICHARDS Irrigation DIST.
Address 1520 POWERS AVE
City LEWISTON State ID Zip 83501

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

A 4x4 grid with a cross in the top-left cell. The top and bottom edges are labeled 'N', and the left and right edges are labeled 'E'.

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 1520 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	156 866	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	Lines	Welded	Threaded
20"	0	45'	375	STEEL	☒	☐	☒	☐
18"	444'	866'	375	STEEL	☒	☐	☒	☐
16"	SEE ATTACHED				☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations _____ Method _____
Screens _____ Screen Type CORRUGATED STEEL

From	To	Slot Size	Number	Diameter	Material	Coating	Lines
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)

[illegible]

13. DRILLER'S CERTIFICATION

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

Company Name Geo-1 Petroleum Explorations Inc. No. 610

Firm Official [Signature] Date 1/8/03

and
Driller or Operator John R. [Signature] Date 1-8-03

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Permit ID 784458
Well ID 355519



Geo-Tech Explorations, Inc.
19700 SW Teton
Tualatin, OR 97062
Ph: (503) 692-8400, Fax: (503) 692-4759

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
" "	82	260	Basalt fractured medium		x
" "	260	283	Basalt fractured lenses of shale black coal like		x
20"	283	310	Basalt fractured lenses of shale black coal like		x
" "	310	320	Basalt fractured with gray claystone		x
" "	320	371	Basalt medium		x
" "	371	396	Claystone soft green some tan		x
" "	396	423	Basalt cuttings rounded gray with clay foam color brown to green		x
" "	423	456	Med soft cuttings same as above foam color brown		x
" "			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
" "	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	1286	Basalt black with gray		x
12"	1286	1300	Basalt black with gray		x
" "	1300	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

