

2N/33E/11ad

(1) OWNER: CTUIR Well Number 3  
 Name \_\_\_\_\_  
 Address P.O. Box 638  
 City Pendleton State OR Zip 97801

(2) TYPE OF WORK:  
 New Well  Deepen  Recondition  Abandon

(3) DRILL METHOD:  
 Rotary Air  Rotary Mud  Cable  
 Other Reverse Circulation Rotary

(4) PROPOSED USE:  
 Domestic  Community  Industrial  Irrigation  
 Thermal  Injection  Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION:  
 Special Construction approval  Yes  No Depth of Completed Well 1100 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

Diameter	HOLE		Material	SEAL		Amount sacks or pounds
	From	To		From	To	
20	0	251	cement	8	424	475 sks
15	251	425	Pitless extension installed with			
12	425	1100	10" side outlet valve below grd & 12" in line valve below side			

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Material			
				Steel	Plastic	Welded	Threaded
Casing: 12	+6	424	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	including pitless extension			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner: 10	409	1100	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	except at screens.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 424

(7) PERFORATIONS/SCREENS:

Perforations Method see attached  
 Screens Type V shape wire wrap Material 304SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner	
see attached liner/screen assembly list.							<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	
						<input type="checkbox"/>	<input type="checkbox"/>	
						<input type="checkbox"/>	<input type="checkbox"/>	

(8) WELL TESTS: Minimum testing time is 1 hour

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500	38 psi backpressure		3 hr.
840	30 psi backpressure		2.5 hr.
1300	12 psi backpressure		72 hr.

Temperature of Water ~73°F Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_ SEE 9323

(9) LOCATION OF WELL by legal description:  
 County Umatilla Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 2N N or S. Range 33E E or W. WM. \_\_\_\_\_  
 Section 11 SE 1/4 of NE 1/4  
 Tax Lot 1200 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) \_\_\_\_\_

(10) STATIC WATER LEVEL:  
 \_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
 Artesian pressure 46 lb. per square inch. Date 10/6/93

(11) WATER BEARING ZONES:

Depth at which water was first found in basalt: 27'

From	To	Estimated Flow Rate	SWL
27	46	< 100	11
65	75	< 100	9
811	830	225*	*
892	1085	1000*	*

(12) WELL LOG: Ground elevation ~1277

Material	From	To	SWL
see attached log			
*Well was flowing artesian below 811'. Shut in pressures were ~44psi (5/93). Intermediate flow rates were increasing with depth as follows:			
	830'	> 225 gpm	
	915'	> 275 gpm	
	989'	> 285 gpm	
	1042'	> 365 gpm	
	1077'	> 900 gpm	
	1100'	see (8)	

Date started 12/2/92 Completed 10/26/93

(unbonded) Water Well Constructor Certification:  
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.  
 Signed \_\_\_\_\_ WWC Number 1367  
 Date 10/29/93

(bonded) Water Well Constructor Certification:  
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.  
 Signed \_\_\_\_\_ WWC Number 649  
 Date 10/29/93

CTUIR  
Well No. 3  
Start Card No. 46226  
10" Liner/Screen Assembly

<u>FROM</u>	<u>TO</u>	<u>LENGTH</u>	<u>DESCRIPTIONS</u>
409	413	4.0	Blank w/J Slots (reinforced & covered)
413	422.5	9.5	*
422.5	804.4	20.1x19 Pcs	*
804.4	814.4	10.0	Factory Perforations (3/16x3 perf., 40/ft, Typ.)
814.4	834.65	20.25	Screen (.150 Slot, Typ.)
834.65	844.65	10.0	Fact. Perf.
844.65	864.75	20.1	*
864.75	884.85	20.1	*
884.85	904.95	20.1	*
904.95	924.95	20.1	*
924.95	940.05	15.1	*
940.05	945.05	5.0	Fact. Perf.
945.05	965.15	20.1	Blank
965.15	985.25	20.1	Blank
985.25	1019.5	34.25	Blank
1019.5	1029.5	10.0	Fact. Perf.
1029.5	1049.75	20.25	Screen
1049.75	1064.75	15.0	Fact. Perf.
1064.75	1085	20.25	Screen
1085	1100	15.0	Fact. Perf.

\*Each of these pieces have 18-1/2x6 torch perforations located 3' to 6' from top end.

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SALEM, OREGON

CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

Start Card No. 46226

by Schneider Drilling Co.

June 2, 1993

<u>Depth</u>		<u>Description</u>
<u>From</u>	<u>To</u>	
0	2	Top soil, brown
2	5	Peat & sand
5	16	Gravel, 6"- & sand, brown
16	19	Gravel, 4"- & clay, brown
19	22	Gravel, 2"- & clay, brown, conglomerate
22	27	Basalt, blk, broken, & clay, blk
27	46	Basalt, blk, fractured, med-hard
46	58	Basalt, gray, hard
58	60	Basalt, dark gray, med-hard
60	62	Basalt, blk, brkn, ves, some cly, gry & blue
62	65	Basalt, blk, well frac, & claystone, blue
65	67	Basalt, blk, vesicular
67	75	Basalt, blk, frac, some vesicular, med
75	78	Basalt, blk, vesicular, soft, & some clay, blue
78	81	Basalt, blk, frac, ves, med-sft, & some cly, blue
81	83	Basalt, blk, some frac, med-hard
83	89	Basalt, blk, frac, med, & some clay, gray
89	92	Basalt, blk & gray, frac, med
92	95	Basalt, gray, hard
95	105	Basalt, gray, hard, some frac
105	108	Basalt, gray, hard
108	109	Basalt, gray, well frac
109	128	Basalt, gray, hard
128	133	Basalt, blk, brkn, ves, some cs, blue
133	136	Basalt, blk, frac, some ves
136	140	Basalt, blk, frac, some ves, med-soft
140	143	Basalt, blk, ves, very soft, & some clay & cs, blue
143	146	Basalt, blk, ves & frac, med-soft
146	149	Basalt, blk, some frac & some ves, med
149	152	Basalt, blk, some frac, med-hard
152	161	Basalt, blk, frac, med
161	165	Basalt, drk gray, frac, med-hard
165	171	Basalt, blk-red & brn, ves, med-sft, some cs, blue
171	174	Basalt, blk, frac, some ves, & clay, gray
174	184	Basalt, blk, frac, med
184	188	Basalt, dark gray, some frac, med-hard
188	200	Basalt, gray, hard
200	201	Basalt, gray, well frac, med
201	205	Basalt, gray, hard
205	230	Basalt, gray, some frac, brown, hard
230	265	Basalt, gray & brown, some frac, hard
265	275	Basalt, gray, hard
275	280	Basalt, gray & brown, frac, med-hard
280	295	Basalt, dk gray & brown, ves, frac, med, cs, blue

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Start Card No. 46226, cont.

<u>From</u>	<u>To</u>	<u>Description</u>
295	312	Basalt, black, ves, frac, med-soft, cs, blue
312	366	Basalt, blk & brn, frac, med-hard, some cs
366	369	Basalt, blk & brn, frac, med-hard
369	383	Basalt, dark gray, med-hard
383	385	Basalt, gray & brn, some frac, med-hard
385	388	Basalt, drk gray, frac, med, & cs, green-blue
388	393	Basalt, blk, cindery & red, ves, soft, & cs, blue
393	403	Basalt, blk, ves, med-soft, some clay, brn
403	407	Basalt, dk brn, ves, med, & cs, blue
407	410	Basalt, dk gry-blk, ves, med, & cs, blue
410	416	Basalt, blk, frac, med, & some cs, blue
416	423	Basalt, dk gray & brn, some frac, med-hard
423	425	Basalt, dk gray & brn, frac, med-hard
425	430	Basalt, dk gray & brn, frac, hard
430	437	Basalt, brn, ves, frac, med-soft, & cs, blue
437	442	Basalt, gray & brn, ves, frac, med, cs
442	458	Basalt, gray, ves, med, & some cs
458	477	Basalt, dk gray, frac, med-hard
477	485	Basalt, dk gray, ves, frac, med-hard, cs
485	488	Basalt, dk gray, frac, med, & clay & cs
488	490	Basalt, dk gray, some ves, frac, med, & cs
490	492	Basalt, dk gray, frac, med-hard
492	497	Basalt, dk gray, frac, med, & cs
497	498	Basalt, dk gray, med, & cs, blue-green
498	500	Basalt, dk gray, frac, med
500	502	Basalt, gray, frac, med, & some cs, blue-green
502	504	Basalt, gray, some frac, med
504	507	Basalt, gray, some frac, med, & clay, brown
507	512	Basalt, gry, md-sft, & cs, blue-grn, & cly, gry-brn
512	518	Basalt, gray, med-soft, & clay, gray-brn
518	542	Basalt, gray, frac, med
542	545	Basalt, gray, med-hard, frac, & cs, blue-grn
545	553	Basalt, gry-brn, frc, vs, md-sft, & some cly, brn & cs, grn
553	557	Basalt, gray, ves, frac, med-soft, with clay & cs
557	570	Basalt, gray, frac, med-hard
570	577	Basalt, gray, frac, med-hard, & cs, blue-grn
577	578	Basalt, gry, frac, med-hard, & cly, blue-grn, & some cs
578	582	Basalt, gray, ves, med, & cs, blue-grn
582	596	Basalt, gray, med-hard, some frac
596	600	Basalt, gry, & rock, red, brkn, med-soft, & cly, red
600	602	Rock, red, brkn, med-soft, & cs, grn, & cly, red
602	604	Basalt, gry, & some rock, red, brkn, md-sft, & cs, grn
604	606	Basalt, gry, brkn, md-sft, & cs, bl-grn, cly, gry-brn
606	609	Basalt, gray, frac, med, & cs, blue-grn
609	616	Basalt, gray, brkn, soft, & clay, gray
616	617	Basalt, gry, brkn, med-soft, & cs, blue-grn, & clay, gry
617	620	Basalt, gray, brkn, med, & cs, blue-grn
620	627	Basalt, gray, brkn, med, & some clay, brown

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**CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION**  
**Start Card No. 46226, cont.**

<u>From</u>	<u>To</u>	<u>Description</u>
627	637	Basalt, gray, frac, med-hard, & some cs, blue-grn
637	673	Basalt, gray, frac, hard
673	674	Basalt, gray, frac, med, & cly lyr, blue-grn & red
674	677	Basalt, gray, frac, med, & cs, blue-grn
677	679	Basalt, gray & brn, frac, med, & cs, blue-grn
679	680	Basalt, brn, frac, med-soft, & cs, blue-gry & blue-grn
680	682	Basalt, brown, brkn, med-soft, & cs, blue-grn
682	684	Basalt, gray & brown, frac, med, & cs, blue-grn
684	692	Basalt, gray & brown, frac, med
692	699	Basalt, gray, frac, med
699	709	Basalt, gray, brkn, med, & cs, blue-green
709	711	Basalt, gray, frac, hard
711	714	Basalt, gray, frac, med-hard, & cs, blue-grn
714	717	Basalt, gray, frac, med-hard, & clay, blue-grn
717	719	Basalt, gray, frac, med-hard, & cs, blue-grn
719	722	Basalt, gray, brkn, med-hard, & cs, blue-grn
722	729	Basalt, gray, frac, hard
729	734	Basalt, gray, frac, med-hard, & cs, green
734	741	Basalt, gray, brkn, med
741	743	Basalt, gray, frac, med, & cs, green
743	747	Basalt, gray, frac, med-hard
747	749	Basalt, gray, frac, hard, & some cs, green
749	759	Basalt, gray, frac, hard
759	762	Basalt, gray, frac, hard, & cs, blue-grn
762	764	Basalt, gry, brkn, soft, & cly, sandy, drk gry, & cs, blue-grn
764	777	Basalt, gray, brkn, med, & cs, blue-grn
777	779	Basalt, gray, frac, med-hard
779	797	Basalt, gray, frac, hard, & some cs, blue-grn
797	798	Basalt, gry, brkn, med-soft, & cly, sticky, sand, dk gry
798	807	Basalt, gry, brkn, med-soft, & cly, dk gry, sandy, & sandstone, blue-grn
807	811	Basalt, gray, brkn, med, & some cs, blue-green
811	828	Basalt, black, frac, med
828	830	Basalt, black, very frac, med
830	840	Basalt, dk gray, frac, med-soft, & some cs, green
840	855	Basalt, dk gray, some frac, ves, med-hard
855	872	Basalt, dk gray, some frac, hard
872	874	Basalt, dk gray, frac, ves, med-hard
874	882	Basalt, dk gray, frac, med
882	887	Basalt, dk gray, very frac, med
887	892	Basalt, dk gray & blue, very frac, med
892	897	Basalt, brown, frac, med

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CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

Start Card No. 46226, cont.

<u>From</u>	<u>To</u>	<u>Description</u>
897	925	Basalt, black, frac, med
925	927	Basalt, black, more frac, med
927	932	Basalt, brown, frac, some ves, med
932	946	Basalt, black, frac, med
946	949	Basalt, dk gray, frac, med
949	952	Basalt, black, frac, med
952	957	Basalt, dk brown, frac, med
957	960	Basalt, brown-gray, frac, med-soft
960	972	Basalt, brown-black, frac, med
972	973	Basalt, dk gray & brown, frac, med-hard
973	982	Basalt, black, frac, med
982	985	Basalt, dk gray, frac, hard
985	1019	Basalt, black, frac, med
1019	1022	Basalt, black, more frac, med-soft
1022	1030	Basalt, brown-black, frac, med-soft
1030	1032	Basalt, black, frac, med
1032	1037	Basalt, brown-black, very frac/brkn, soft
1037	1056	Basalt, black, very frac/brkn, soft
1056	1058	Basalt, black, some frac, med-soft
1058	1060	Basalt, brown, frac, med-soft
1060	1067	Basalt, black, frac, med
1067	1070	Basalt, black, some frac, med
1070	1071	Basalt, black & brown, frac, med
1071	1075	Basalt, black, frac, med
1075	1077	Basalt, gray, more frac, med
1077	1081	Basalt, gray, very frac, some ves, med-soft
1081	1085	Basalt, gray, very frac, some ves, soft
1085	1089	Claystone, brown, soft
1089	1100	Basalt, gray, hard

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