STATE OF OREGON WATER SUPPLY WELL REPORT

CLAC 74534

WESTERBERG DRILLING INC.

WELL I.D. LABEL#
START CARD #

L# L	131118	
D #	214206	

(as required by ORS 537.765 & OAR 690-205-0210) PO BOX 1228 ORIGINAL LOG # (1) LAND OWNER MOLALLA, OR 97038 Owner Well I.D._ First Name Last Name (9) LOCATION OF WELL (legal description) Company Columbia Fruit LLC County CLACKAMAS Twp 5 S N/S Range 1 Address 2526 Dike Rd NE 1/4 of the NW 1/4 Tax Lot 1100 Zip <u>986</u>74 City Woodland State Tax Map Number New Well Deepening Conversion (2) TYPE OF WORK Alteration (complete 2a & 10) " ог DMS or DD (2a) PRE-ALTERATION C Street address of well Casing: S. Newman Rd. 1/8 mile west of Barlow Rd Material From Seal: (10) STATIC WATER LEVEL (3) DRILL METHOD Rotary Air Rotary Mud X Cable Auger Cable Mud SWL(psi) Existing Well / Pre-Alteration Reverse Rotary Other Completed Well 09-14-2018 (4) PROPOSED USE Domestic X Irrigation Community Flowing Artesian? Industrial/ Commericial Livestock Dewatering Depth water was first found _38 WATER BEARING ZONES __Thermal ___Injection Other _ SWL Date From To Est Flow SWL(psi) + SWL(ft) (5) BORE HOLE CONSTRUCTION Special Standard (Attach copy) 38 62 Depth of Completed Well 300 69 91 **BORE HOLE** SEAL 09-14-2018 293 166 52 Dia From Material From Amt Ibs Bentonite 20 0 4 6 S 16 Calculated 4.7 12 169 (11) WELL LOG 480 313 Calculated 32 Ground Elevation Method A B XC How was seal placed: From Material To X Other bent, placed dry top soil 0 Backfill placed from 300 ft. to 315 ft. Material pea gravel silt clay brown 14 Filter pack from 120 ft. to 300 ft. Material c.s.s. silty sandy clay 14 19 clay grey 19 29 Explosives used: Yes Type_ Amount clay brown with sand & small gravel 38 (5a) ABANDONMENT USING UNHYDRATED BENTONITE brown sand & gravel with brown clay 38 62 Pounds Pounds clay brown 62 64 Proposed Amount **Actual Amount** 64 clay grey 69 (6) CASING/LINER sand & gravel grey med 69 91 Dia Casing From To Liner Gauge Plstc Wld Thrd clay grey 98 XXX 16 2 60 .375 $oldsymbol{igo}$ clay green dansy 98 102 × • 1.5 165 .250 clay blue sticky 102 136 \odot 0 120 160 .250 clay olive green silty 136 143 0 8 175 206 .250 clay grey crumbly & sandy 143 166 220 240 .250 crumbly clay with layers of cemented sand 166 174 Inside X Outside Other Location of shoe(s) 310 clay blue sticky 174 191 Temp casing X Yes Dia 20 clay brown 191 206 From $+ \square 0$ clay brown with sand lenses 206 218 (7) PERFORATIONS/SCREENS 218 clay grey 242 Perforations Method Screens Type v wire Date Started 09-11-2018 Material S.S. Completed 10-14-2018 Perf/S Casing/Screen # of Tele/ Scrn/slot Slot (unbonded) Water Well Constructor Certification creen Liner Dia width slots length pipe size Screen 8 175 .06 1 certify that the work I performed on the construction, deepening, alteration, or Screen 8 206 220 .06 8 abandonment of this well is in compliance with Oregon water supply well 240 248 8 construction standards. Materials used and information reported above are true to Screen 8 .06 the best of my knowledge and belief. Screen 263 275 .06 8 288 Screen License Number Date (8) WELL TESTS: Minimum testing time is 1 hour Pump Flowing Artesian Bailer O Air Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) (bonded) Water Well Constructor Certification I accept responsibility for the construction, deepening, 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 water supply well construction standards. This report is true to the best of my knowledge and belief. °F Lab analysis L Yes By _ Temperature 56 Yes (describe below) TDS amount 138 License Number Water quality concerns? Units From Description Contact Info (optional)

Water clinn wwell nepope	CL/	AC 7	4534	W	VELL I.D. LABEL# L	131118		-
WATER SUPPLY WELL REPORT - continuation page	WESTER	BERG				ARD # 214206		
continuation page			X 1228		ORIGINAL LOG#			
(2a) PRE-ALTERATION			ORate 70	73-8 Co	ncerns		'	
Dia + From To Gauge Stl Plstc Wld	Thrd	, ,	From	To	Description		Amount	Units
		1			Bescription			7
	Н							
Material From To Amt sacks/lb								
Material From To Amt sacks/lb	s ¬		-					
					· · · · · · · · · · · · · · · · · · ·			+-
	<u></u>							
(5) BORE HOLE CONSTRUCTION					TER LEVEL			
BORE HOLE SEAL		sacks/	SWL Date	Fron	n To Est F	low SWL	(psi) +	SWL(ft)
Dia From To Material From		lbs		-				
Cement 315	475 32	S		- 		- -		
	alculated 28							
	alculated	$\vdash \vdash \vdash$						
	arculated	 		 -				
C	alculated							
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	alculated	,			<u>l</u>		لــــ	
FILTER PACK From To Material Size		l	(11) WEL	L LOG				
]		Mate	erial	Fro	m	To
			dark grey cl	aystone &	sand	2	42	248
			clay grey				48	252
(6) CASING/LINER			clay brown	own with t	thin lenses of cemented sa		64	264 274
			clay grey br		ann lenges of contented sa		74	289
Casing Liner Dia + From To Gauge S	Stl Plstc Wld 7	l'hrd	sand fine gr				89	293
8 248 263 250		m l	clay blue gr				93	321
8 275 288 .250		HI	clay grey	andstone_			24	324 359
8 294 300 .250			clay green				59	414
	29H				y sand lenses with wood		14	426
	$\prec \bowtie \vdash$	H I	clay blue gr	een sucky			26 75	475 480
	$\forall \exists \vdash$	HI	hole caved f	from 475-4	80		''' ——	460
	3 8 H	\vdash			on top of 8" riser pipe @ 1	20'		
			bottom plate 12" drive sh					
		Ī	12 drive sii	oc catt on	(4,510			
(7) PERFORATIONS/SCREENS								
	_,	_ , , 1	*cement out		asing 4'-24' asing from 47'-70'			
* ·	Slot # of ngth slots p	Tele/ ipe size	content out	BIUC IZ C	using non 47 */V			
Screen From 10 Width let	iigui sious p	pc size		-		R	ECE	VED
							<u>-</u>	
				 -		- 00	T 1 9	2018
			ļ				OWE	HC:
			L				E	
	1 -1				· · · · · · · · · · · · · · · · · · ·			
			Comment	ts/Rema	rks			
	· - · · · · · · ·							
(8) WELL TESTS: Minimum testing time is 1 l	hour							}
Yield gal/min Drawdown Drill stem/Pump depth	Duration (hr)						
		7						
]						}
]						
	· · · · · · · · · · · · · · · · · · ·	-}						

STATE OF OREGON CLAC 745	534 WELL I.D. LABEL# \coprod_{1}	131118
* *WATER SUPPLY WELL REPORT WESTERBERG		214206
(as required by ORS 537.765 & OAR 690-205-0210) PO BOX		1
(I) LAND OWNER Owner Well I.D. MOLALIA		
riist Name Last Name	(9) LOCATION OF WELL (legal des	cription)
Company Columbia Fruit LLC Address 2526 Dike Rd	County CLACKAMAS Twp 5 S N/S	
City Woodland State WA Zip 98674	Sec 19 NE 1/4 of the NW 1/4	4 Tax Lot 1100
	Tax Map Number	
(2) TYPE OF WORK New Well Deepening Conversion Alteration (complete 2a & 10) Abandonment(complete 5a)	Let ° ' "or	DMS or DD
(2a) PRE-ALTERATION	Long or	DMS or DD
Dia + From To Gauge Stl Piste Wild Thrd	Street address of well • Neares	
Casing:	S. Newman Rd. 1/8 mile west of Barlow Rd	
Material From To Amt sacks/lbs	S. Newman Rd. 178 mile west of Barlow Rd	
Seal:	40. 67. 77.	
(3) DRILL METHOD Rotary Air Rotary Mud Cable Auger Cable Mud	(10) STATIC WATER LEVEL	G177 (1) 1
	Existing Well / Pre-Alteration	SWL(psi) + SWL(ft)
Reverse Rotary Other	Completed Well 09-14-2018	52
(4) PROPOSED USE Domestic Irrigation Community		Dry Hole?
Industrial/ Commericial Livestock Dewatering		was first found 38
Thermal Injection Other		
	1 Latin	ow SWL(psi) + SWL(ft)
(Attach copy Depth of Completed Well 300 ft.		
POPE HOLE	69 91	
BORE HOLE SEAL sacks/ Dia From To Material From To Amt lbs	09-14-2018 166 293	52
20 0 24 Bentonite 0 4 6 S	1	
16 0 70 Ksee note Denc Calculated 4.7	<u> </u>	
12 70 313 Cement 4 70 169 S 6 313 480 Calculated 32	(11) WELL LOC	
	(11) WELL LOG Ground Elevation	
How was seal placed: Method A B XC D E	Material	From To
X Other bent, placed dry	top soil	0 1
Backfill placed from 300 ft. to 315 ft. Material pea gravel	silt clay brown	1 14
Filter pack from 120 ft. to 300 ft. Material c.s.s. Size 6/9	silty sandy clay clay grey	14 19
Explosives used: Yes Type Amount	clay brown with sand & small gravel	19 29 29 38
(5a) ABANDONMENT USING UNHYDRATED BENTONITE	brown sand & gravel with brown clay	38 62
Proposed Amount Pounds Actual Amount Pounds	clay brown	62 64
(6) CASING/LINER	clay grey	64 69
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	sand & gravel grey med	69 91
<u>○ </u>	clay grey clay green dansy	91 98
	clay blue sticky	98 102 102 136
12	clay olive green silty	136 143
8 175 206 .250	clay grey crumbly & sandy	143 166
	crumbly clay with layers of cemented sand	166 174
Tomp cosingle flor	clay blue sticky	174 191
Temp casing Yes Dia 20 From + 0 To 22	clay brown clay brown with sand lenses	191 206
(7) PERFORATIONS/SCREENS	clay grey	206 218 218 242
Perforations Method		
Screens Type v wire Material s.s. Perf/S Casing/ Screen Scrn/slot Slot # of Tele/	Date Started 09-11-2018 Complete	ted 10-14-2018
creen Liner Dia Tom To width length slots nine size	(unbonded) Water Well Constructor Certificati	ion
Screen 8 (160) 175 (.06) 8	1 certify that the work 1 performed on the constr	
Screen 8 206 220 .06 8	abandonment of this well is in compliance w	ith Oregon water supply well
Screen 8 240 248 .06 8 Screen 8 263 275 .06 8	construction standards. Materials used and inform	nation reported above are true to
Screen 8 263 275 .06 8 Screen 8 288 294 .06 8	the best of my knowledge and belief.	
	License Number Date	
(8) WELL TESTS: Minimum testing time is 1 hour	Signed	
Pump		
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) 150 102 4	(bonded) Water Well Constructor Certification	
150 102 4	I accept responsibility for the construction, deepe	ning, alteration, or abandonment
	work performed on this well during the construction	n dates reported above. All work
Temperature 56 °F Lab analysis Yes By	performed during this time is in compliance we construction standards. This report is true to the be	riui Oregon water supply well
Water quality concerns? Yes (describe below) TDS amount 138		
From Description Amount Units	License Number 688 Date 1 Signed Liver 7 Haddle Contract Info (options)	10-15-2018
O SECTE A CETO	Signed Steven 7 Totalli	
MOV 1 9 page	Contact Info (optional)	
NOV 1/3 2018	()	

. AR SUPPLY WELL REPORT -	CLA	AC 74	4534	V	VELL I.D. LABEL# [131118			
muation page WESTERBER			DRILLING INC. START CARD # 214						
A common bago			X 1228	J 1110.	ORIGINAL LOG#	214200			
a) PRE-ALTERATION				000		l			
Dia + From To Gauge Stl Plste Wid T	1VIQ L/ Chrd	ALLA,	Offate 70	ukulity Co	ncerns				
To dauge ou risk with			From	То	Description	Amo	unt (Jnits	
			 						
Material From To Amt sacks/lbs	——————————————————————————————————————		l ——						
TIOM TO Aim Sacks/los	, 7								
	-				·				
	7								
(5) BORE HOLE CONSTRUCTION			(10) STA	TIC WA	TER LEVEL				
5.45 · · · · · ·			SWL Date			low SWL(psi)	+ 5	SWL(ft)	
Dia From To	_	sacks/						7172(11)	
Dia From 16 Material From	To Amt	lbs					-		
Cement 315	475 32	S					H		
Cal	Iculated 28								
			 						
Cal	lculated	- 	ļ 						
Ca	lculated	 	 						
	iculaicu	 	 				H		
Cal	lculated	1	 						
FILTER PACK		_							
From To Material Size			(11) WEL	L LOG					
				Mate	reial	F			
			dark grey cl			From		То	
			clay grey	aysione &	Sanu	242	-	248	
			clay brown			248 252		252 264	
(6) CASING/LINER				own with t	hin lenses of cemented san	rd 264		274	
Coning Lines Di D D D			clay grey br	own		274	_ _	289	
Casing Liner Dia + From To Gauge Sti	l Plstc Wld	Thrd	sand fine gr	ey		289	_	293	
8 248 263 .250			clay blue gr	een		293		321	
		H	soft green sa	andstone		321		324	
8 275 288 250		H 1	clay grey			324		359	
	+	$H \mid$	clay green	th fine suc	y sand lenses with wood	359	_	414	
	$\leftarrow \bowtie \vdash \vdash$	HI	clay blue gre	een sticky	y sanu ienses with wood	414		426	
	\leftarrow	H	clay blue	con sticky	·	426		475 480	
	S HH	H	hole caved f	rom 475-4	80	7,5	_}_	700	
	S A H	$H \mid$	8" drive sho	e welded o	n top of 8" riser pipe @ 12	20'			
	5 7 H	H	bottom plate	welded or	tail pipe				
	ب محت	_	12" drive sh	oe cutt off	@ 310'				
					·		_[_		
(7) PERFORATIONS/SCREENS		i	*cement out	eide 16"	sing Al DAL		-		
Perf/S Casing/ Screen Scrn/slot Sl	a. #-F	- Trans.	*cement out	side 12" co	sing 4-24 / sing from 47'-70' /				
creen Liner Dia From To width length		Tele/ pipe size							
Screen Screen	0.00	2100 3120			RECEIVED		\vdash		
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			Comment	s/Remai	·ks	<u></u>			
(8) WELL TESTS: Minimum testing time is 1 he	our	İ		-					
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Yield gal/min Drawdown Drill stem/Pump depth	Duration (h	r)							
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CLAC 74534

WESTERBERG DRILLING, INC PO Box 1228, MOLALLA, OR 97038 503-829-2526

PUMP TEST RECOVERY DATA SHEET

Page 1 of 1

OWNERS NAME:

COLUMBIA FRUIT LLC

MAILING ADDRESS:

2526 DIKE RD., WOODLAND, WA 98674

WELL ADDRESS:

S.NEWMAN RD.

WELL ID# 131118

WELL DEPTH:

300 WELL DIAMETER:

___.

DEPTH PUMP SET:

165

SIZE OF-DROP PIPE: 3

12 **s.w.**L. 52

PUMP INFORMATION: 30 HP

RECOVERY DATA

Date	Time	Time since pump stopped	Depth to water from measure pt.	Depth to water from ground level	PSI	AMPS	COMMENTS
8/16/2018	4:00 PM	0					pump stopped
		2	115'10		•		
		4	102'4.5				
		6	94'4.75				
		8	89'6				
		10	96'5	-			
		15	81'6.25				
		20	78'11				
		25	76'1				
		30	75'3.5		· - · · · · · · · · · · · · · · · · · ·		
	-	45	72'1.5				
	17:00	1	70'				
		1.25	68'4.5				
		1.5	67'1				
		1.75	65'11.5				
	18:00		65'				
			64'4.25				
		2.5	63'6.25	· · · · · · · · · · · · · · · · · · ·			90% recovered
			62'10.75				0070100
	19:00		62'4		-		
			61'10.25				
			61'6.5				RECEIVED
	=,		61'2			•	
	20:00		60'10				NOV 1 3 2018
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CLAC 74534

WESTERBERG DRILLING, INC PO BOX 1228, MOLALLA, OR 97038 503-829-2526

PUMP TEST DATA SHEET

Page 1 of 1

CUSTOMERS NAME:

COLUMBIA FRUIT LLC

MAILING ADDRESS:

2526 DIKE RD., WOODLAND, WA 98674

WELL ADDRESS:

S. NEWMAN RD

WELL ID# L131118

WELL DEPTH:

300 WELL DIAMETER:

12 s.w.L. 52

DEPTH PUMP SET:

165

SIZE OF DROP PIPE: 3

PUMP INFORMATION: 30 hp

DRAWDOWN DATA

	· · · · · · · · · · · · · · · · · · ·	,	·	DRAW	DO1111	DAIA		
Date	Time	Time since pump started	Depth to water from measure pt.	Depth to water from ground level	Flow Rate G.P.M.	PSI	AMPS	COMMENTS
8/16/2018	12:00 pm	0	54.00	52.00				start pump
		2	105'2.5		150			slighty turbid/ light brown
		4	118'10.25		150			
		6	130'4		150			
	· · · · · · · · · · · · · · · · · · ·	8	134'7.75		150			cleaner
		10	136'11		150			
		15	141'.5		150.00			
		20	143'1.5		150.00			clear/ no sand
		25	144'5.75		150.00			
		30	143'1		150			Is dirty grey with sand
		45	144'10.5		150.00			less turbid/ very little sand
	1:00	1	146'1		150.00		•	
		1.25	147'4		150.00		•	
	,	1.5	148'3.75		150.00			completely/ clear no sand
		1.75	149'5		150.00			
	2:00	2	150'6		150.00			
		2.25	151'4		150.00			
		2.5	152'2.5		150.00			
		2.75	152'11.25	*	150.00			
	3:00	3	153'9		150.00			
		3.25	154'5		150.00			<u> </u>
	-	3.5	155'		150.00			
		3.75	155'6.5		150.00			
	4:00	4	156'.5		150.00	-		pump off
			160 15	the sur	w		-	
			100					
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Oregon Water Resolution Department PUMP TEST FORM COVER SHEET

Well Owner:	Well Location:
Name: Columbia Fruit LLC	Township:5 S Range: 1 E
Address: 2526 Dike Rd	Section: 19 1/4: NE 1/16 NE 1/64: NE
County: Cowlitz	Well depth: 300.0 Date drilled: 9/14/18
City: Woodland State: Wa Zip:	Owners well no. (if any):
Original owner (from well log):	POD ID:
Water Right Information:	
Application: T-12446 Permit:	Certificate:
Is this well listed on more than one water right?	Yes If yes, list additional water rights below:
Application: Permit: Permit:	Certificate:
	Certificate:
Pump Test:	
Test Conducted by: Steve Stadeli	Well Owner?
Company. <u>Westerberg Drilling Inc</u>	
Address: PO Box 1228 City: Molalla State: OR Zip:	Date of Test: <u>08/16/2018</u>
Daytime phone: <u>503-829-2526</u>	97038
Method of discharge measurement (see our brochure	for more information): Flow meter
Method of water-level measurement (pick one or enter Length of air line (if used):	other method used): Electric tape
Pump type (pick one or enter other method used):	ubmersible
Was the pump test conducted during normal use of the	
Are you aware of any wells, other than domestic or sto	ck wells, pumping within 1000 feet of the tested
well during the test or within 24 hours prior to the test?	Yes Note: no
If yes, give approximate distances to each and approxi	imate pumping rate of each. If possible, indicate if
they were turned on or off during the test:	
approximate distance from the well and approximate e the well head. Approx. distance:ft Approx. Well elevation is surface water body. Description of measuring point (e.g. top port of 1 inch point for the point f	pprox. elevation difference: ft
3/4" pvc probe tube	out pipe, west side)
Measuring point distance land surface	2.00 feet.
Static water level measurements: (A minimum of thi	
pumping begins at no less than 20 minutes apart):	ce measurements are required in the nour perore
	a matint
11:00 am 54.00 11:20 am 54.00	<u> 52,00</u>
11:40 am 54.00	<u> </u>
Discharge measurements: (A discharge measureme	ent is required at the start of numping and at least
once an hour during the test; additional measurements	should be noted on the Pump Test Data Sheet).
Time Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
12:00 pm 150.00	gpm (gallons per minute)
1:00 pm 150.00	gpm (gallons per minute)
2:00 pm 150.00	gpm (gallons per minute)
3:00 pm 150.00	gpm (gallons per minute)
4:00 pm 150.00	gpm (gallons per minute)
Time pump turned on: Date 08/16/2018	Time <u>12:00 pm</u>
Time pump turned off: Date 08/16/2018	Time <u>4:00 pm</u>
Total pumping time: 4 hours 0 minu	tes
Note: Well must be idle for at least 16 hours prior to the	e test.
Additional forms can be obtained from our web site at:	http://www.wrd.state.or.us OWRD 2/9/2000
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Required Signature:	0100 1 0 0010
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