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pump test
18 Nov 2003
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CLAIM OF BENEFICIAL USE
AND SITE REPORT
FOR
APPLICATION G-15624
PERMIT G-15161

NOVEMBER 2003

OWNER:
TED AND MARGARET DUARTE
32630 HIGHWAY 50
MALIN OR 97632
(541) 723-4040

PREPARED BY:
ANDERSON ENGINEERING & SURVEYING, INC.
P.O. BOX 28
LAKEVIEW, OREGON 97630
CONTACT PERSON: DARRYL ANDERSON
(541) 947-4407

SOURCE OF WATER
One well located in the Tulelake Basin, ID # 47622

LOCATION OF AREA INVOLVED
Well location: NE ¼, NE ¼, Section 22, T41S, R12E, W.M.; 50 feet south and 175 feet east from NW corner of Section 22, Klamath County, Oregon.
Place of use: NE ¼, NE ¼, 38.15 acres, Section 22, T41S, R12E, W.M. Malin, Oregon, Klamath County.

USE OF WATER
The 34.9 acres of land are used for forage crops and are being irrigated by wheel line sprinklers. Crops were being irrigated as shown on the attached map at the time of this final proof survey. There are 3.15 acres currently flood irrigated by opening a valve in the delivery pipe.

DISCRIPTION OF WATER DELIVERY SYSTEM
A U.S. Motors Electric Turban Motor, Model # F403A, sits on top of the turbine pump. The well casing is 8". The U.S. Motors Electric Pump Motor is a 30 H.P., continuous duty motor, ID #E-01-01062836-009-F. A McCrometer Flow Meter #01-08455-6 registers a flow of 480 gpm. The system operates at 78 PSI at the pump, which services a 6" P.V.C. main line to a 1,320 feet wheel line with 66 nozzles (33 – 8 gal. heads & 33 – 7 gal. heads) with 60 PSI in the middle of wheel line, which is comparable to the meter flow. Flow rate is calculated to be 504 gpm at 60 PSI (Please see attached Summary of Nozzle Flows).

SURVEY TIE
A survey was conducted of the irrigated area and the diversion point using real time GPS. The survey was referenced to the SE 1/16 Corner of Section 22, T41S, R12E, W.M.

FINDINGS
The final proof survey and inspection of the use as found to be completed under the terms and conditions of Water Right Application # G- 15624 and Permit # G-15161.

CERTIFICATION

The final proof survey and inspection of the water use, as found to be completed or as noted under the terms and conditions of Application #G-15624 and Permit # 15161, were completed on September 9, 2003 and the facts contained in this report and accompanying map are correct to the best of my knowledge.

Darryl Anderson CWRE #005

RENEWAL DEC 3 1 2003

I, Ted Duarte and Margaret Duarte, agree to the findings of the Water Right Examiner and submit this report and map as my Claim of Beneficial Use of the water as provided under the terms and conditions of the Application G-15624 and Permit G-15161.

Ted Duarte — Date: NOV 12 2003

Margaret Duarte — Date:

SUMMARY OF NOZZLE FLOWS

Duarte G-15624

WHEEL LINE FLOW

#	NOZZLE SIZE	DIAMETER	PSI	FLOW (FT^3/S)	TOTAL (FT^3/SEC)	FLOW (GPM)	TOTAL FLOW (GPM)
33	25	0.1953	60	0.016	0.519	7.05	232.78
33	27	0.2109	60	0.018	0.605	8.23	271.52
	WHEEL LINE FLOW TOTAL				1.12		504.30

ANDERSON ENGINEERING & SURVEYING, INC.
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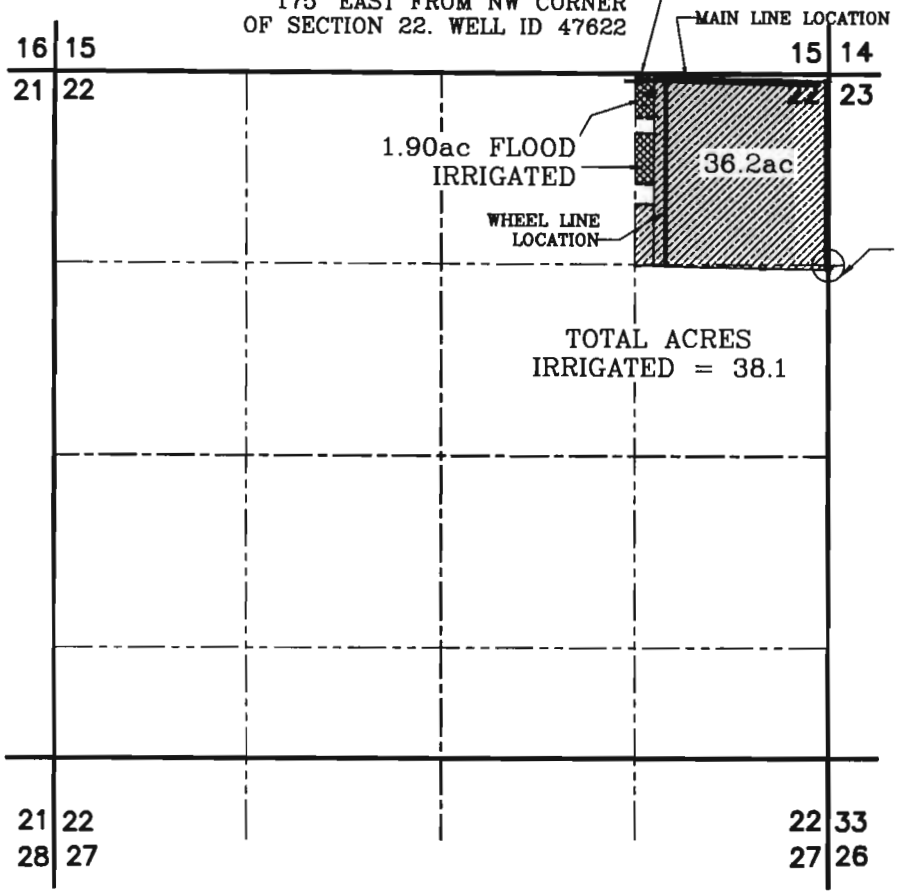
MAP TO ACCOMPANY CLAIM OF BENEFICIAL USE FOR APPLICATION G-15624

LOCATED IN SECTION 22
TOWNSHIP 41 SOUTH, RANGE 12
EAST, W.M.
KLAMATH COUNTY, OREGON



SCALE: 1"=1320'

LEGEND

- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE

34.9 ACRES IRRIGATED WITH WHEEL LINE UNDER PERMIT NUMBER G-15161

3.15 ACRES IRRIGATED BY FLOOD MEANS UNDER PERMIT NUMBER G-15161

NOTE: PREPARATION OF THIS MAP IS FOR IDENTIFYING PROPOSED WATER RIGHTS ONLY. IT HAS NO INTENT TO PROVIDE LOCATIONS OR DIMENSIONS OF PROPERTY BOUNDRIES.

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WATER RESOURCES DEPT
SALEM OREGON

APPLICATION NO. G-15624

PERMIT NO. G-15161

Certified Water Right Examiner
005
Darryl J. Anderson
Nov.19, 1987
STATE OF OREGON

RENEWAL 12/31/2003

PREPARED FOR:
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MALIN, OREGON 97632
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DATE: NOVEMBER 2003	DWG. FILE: 2003-52
JOB NO.: 2003-52	SHEET 1 OF 1

Oregon Water Resources Department

PUMP TEST FORM COVER SHEET

Well Owner:
Name: Ted + Margaret Duarte
Address: 32630 Highway 50
County: Klamath
City: Malin State: OR Zip: 97632
Original owner (from well log): Ted A. Duarte

Well Location:
Township: 41 S (N/S) Range: 12 E (E/W)
Section: 22 ¼: ___ 1/16: ___ 1/64: ___.
Well depth: 640 Date drilled: 08/13/01
Owners well no. (if any): 47622
POD ID: ___

Water Right Information:
Application: G15624 Permit: G15161 Certificate: ___
Is this well listed on more than one water right? ☐ Yes If yes, list additional water rights below:
Application: ___ Permit: ___ Certificate: ___
Application: ___ Permit: ___ Certificate: ___

Pump Test:
Test Conducted by: Ted A. Duarte Well Owner? ☒ Yes
Company: Duarte Ranch
Address: 32630 Hwy 50 Date of Test: 8/31/03
City: Malin State: OR Zip: 97632.
Daytime phone: 541-723-4040

Method of discharge measurement (see our brochure for acceptable methods): ___
Method of water-level measurement (pick one or enter other method used): Air Line
Length of air line (if used): 195.

Pump type (pick one or enter other method used): ___
Was the pump test conducted during normal use of the well? ☒ Yes Note: ___

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ☐ Yes Note: None
If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: ___

Is there a lake, stream or other surface water body within ¼ mile of the tested well? ☐ Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: N/A ft Approx. elevation difference: N/A ft

Well elevation is ___ surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) ___

Measuring point distance ___ land surface ___ feet.

Static water level measurements: (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
6:00 AM	42.54	38.54
6:20 AM	42.54	38.54
6:40 AM	44.85	40.85

Discharge measurements: (A discharge measurement is required at the start of pumping 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)
8:00 A.M	560	GPM
9:00 A.M.	500	GPM
10:00 A.M.	500	GPM
11:00 AM	480	GPM
12:00 pm	480	GPM

Time pump turned on: Date 8-31-03 Time 8 AM
Time pump turned off: Date 9-3-03 Time 12 noon
Total pumping time: 76 hours 0 minutes

Note: Well must be idle for at least 16 hours prior to the test.
Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

OWRD 2/9/2000

Required Signature: Ted Duarte

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WATER RESOURCES DEPT
SALEM, OREGON

Oregon Water Resources Department

PUMP TEST DATA SHEET

Application: G15624 Permit: G15161 Certificate: _____ Pod_Id: _____

All water-level measurements must either be in feet and inches, or feet and decimal fractions.

Drawdown Data

Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
8/31/03	8:00 AM				
	8:02	2 min	37.92	33.92	68 PSI
	8:04	4 min	47.16	43.16	
	8:06	6	61.02	57.02	
	8:08	8	70.26	66.26	
	8:10	10	79.50	75.50	
	8:15	15	84.12	80.12	
	8:20	20	97.02	93.02	
	8:25	25	116.46	112.46	34 PSI
	8:30	30	125.70	121.70	
	8:35	35	130.32	126.32	
	8:40	40	132.63	128.63	
	8:55	55	134.94	130.94	
	9:10	70	134.94	130.94	
	9:25	85	137.25	133.25	
	9:40	100	137.25	133.25	
	9:55	115	137.25	133.25	
	10:10	130	137.25	133.25	
	10:35	145	139.56	135.56	24 PSI
	10:50	160	139.56	135.56	
	11:05	175	139.56	135.56	
	11:20	190	139.56	135.56	
	11:35	205	139.56	135.56	
	11:50	220	139.56	135.56	
	12:05	235	139.56	135.56	
8/31/03	8 PM	715	139.56	135.56	24 PSI
9/1/03	6:00 AM	1315	139.56	135.56	24 PSI
	6:00 PM	2035	139.56	135.56	24 PSI
9/2/03	6:00 AM	2755	139.56	135.56	24 PSI
9/2/03	6 PM	3475	139.56	135.56	24 PSI
9/3/03	6 AM	4195	139.56	135.56	24 PSI
9/3/03	12 noon	4555	139.56	135.56	

Recovery Data

Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
9-3-03	12:10 p				TURN OFF
	12:12	2 min	139.56	135.56	
	12:14	4 min	125.10	121.10	
	12:16	6	93.36	89.36	
	12:18	8	81.81	77.81	
	12:20	10	74.88	70.88	
	12:25	15	70.26	66.26	
	12:30	20	65.64	61.64	
	12:35	25	61.02	57.02	
	12:40	30	56.40	52.40	
	12:45	35	51.78	47.78	
	12:50	40	50.62	46.62	
	1:05	55	50.62	46.62	
	1:20	70	49.47	45.47	
	1:35	85	49.47	45.47	
	1:50	100	49.47	45.47	
	2:05	115	48.35	44.35	
	2:20	130	47.16	43.16	
	2:35	145	47.16	43.16	
	2:50	160	47.16	43.16	
	3:05	175	47.16	43.16	
	3:20	190	47.16	43.16	
	3:35	205	44.85	40.85	
	3:50	220	42.54	38.54	
	4:05	235	42.54	38.54	
9/3/03	4:20 p	250	42.54	38.54	

Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

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