



State of Oregon  
 Water Resources Department  
 725 Summer Street NE, Suite A  
 Salem, Oregon 97301-1266  
 (503) 986-0900

# Application for Permit Amendment

## Part 1 of 5 – Minimum Requirements Checklist

**This permit amendment application will be returned if Parts 1 through 5 and all required attachments are not completed and included.**  
 For questions, please call (503) 986-0900, and ask for Transfer Section.

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Check all items included with this application. (N/A = Not Applicable)

- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: [http://apps.wrd.state.or.us/apps/misc/wrd\\_fee\\_calculator](http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator). If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Permits to be Amended: **Number of permits to be amended: 1**  
**List them here:** Permit G-17869 (Application G-18416)  
 Please include a separate Part 5 for each permit. (See instructions on page 6)
- Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner).
- N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at <http://www.oregon.gov/owrd/pubs/docs/forms>). Assignment is not needed if the applicant is the permit holder of record.
- N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant **or** other permit holders of record that are not listed as applicants.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form is not required if any of the following apply:
  - Water is to be diverted, conveyed, and/or used only on federal lands.
  - All of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
  - The proposed changes are all located on the property reviewed in Land Use form enclosed in Water Right Application Folder # \_\_\_\_\_.
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.

**(For Staff Use Only)**

**WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):**

<input type="checkbox"/> Application fee not enclosed/insufficient	<input type="checkbox"/> Map not included or incomplete
<input type="checkbox"/> Land Use Form not enclosed or incomplete	<input type="checkbox"/> Assignment Form and fee not enclosed/insufficient
<input type="checkbox"/> Additional signature(s) required	Part _____ is incomplete
Other/Explanation _____	
Staff: _____ 503-986-0_____	Date: ____/____/____

## Part 2 of 5 – Permit Amendment Map Checklist

**Your permit amendment application will be returned if any of the map requirements listed below are not met.**

**Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.**

- N/A If **more than three** permits are involved, separate maps for each permit.
- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes separate hachuring for each water use permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.
- N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water use permit.
- N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

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**Part 3 of 5 – Fee Worksheet**

FEE WORKSHEET for PERMIT AMENDMENT			
1	Base Fee (includes one type of change to one permit for up to 1 cfs)	1	\$1,160
2	Types of change proposed: <input type="checkbox"/> Place of Use <input checked="" type="checkbox"/> Point of Diversion/Appropriation Number of above boxes checked = 1 (2a) Subtract 1 from the number in line 2a = 0 (2b) <i>If only one change, this will be 0</i> Multiply line 2b by \$930 and enter » » » » » » » » » » » » » » » »	2	0
3	Number of permits included in Permit Amendment 1 (3a) Subtract 1 from the number in 3a: 0 (3b) <i>If only one permit this will be 0</i> Multiply line 3b by \$520 and enter » » » » » » » » » » » » » » » »	3	0
4	Do you propose to add or change a well, or change from a surface water POD to a well? <input type="checkbox"/> No: enter 0 » <input checked="" type="checkbox"/> Yes: enter \$410 »	4	\$410
5	Do you propose to change the place of use? <input checked="" type="checkbox"/> No: enter 0 on line 5 » <input type="checkbox"/> Yes: enter the cfs for the portions of the permits to be amended (see example below*): _____ (5a) Subtract 1.0 from the number in 5a above: _____ (5b) If 5b is 0, enter 0 on line 5 » If 5b is greater than 0, round up to the nearest whole number: _____ (5c) and multiply 5c by \$350, then enter on line 5 » » » » » » » » » » » »	5	
6	Add entries on lines 1 through 5 above » » » » » » » » » » Subtotal:	6	\$1,570
7	Is this permit amendment: <input type="checkbox"/> necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? <input type="checkbox"/> endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 » If no box is applicable, enter 0 on line 7 »	7	0
8	Subtract line 7 from line 6 » » » » » » » » » » <b>Permit Amendment Fee:</b>	8	\$1,570

\*Example for Line 5a calculation to transfer 45.0 acres of Primary Permit S-12345 (total 1.25 cfs for 100 acres) and 45.0 acres of Supplemental Permit S-87654 (1/80 cfs per acre) on the same land:

1. For irrigation calculate cfs for each permit involved as follows:
  - a. Divide total authorized cfs by total acres in the permit (*for S-12345, 1.25 cfs ÷ 100 ac*); then multiply by the number of acres to be changed to get the application cfs (*x 45 ac = 0.56 cfs*).
  - b. If the water right permit does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). (*For S-87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs*).
2. Add cfs for the portions of permits on all the land included in the application; however **do not count cfs for supplemental permits on acreage for which you have already calculated the cfs fee for the primary permit on the same land.** The fee should be assessed only once for each “on the ground” acre included in the application. (*In this example, blank 5a would be only 0.56 cfs, since both permits serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0.*)

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**Part 4 of 5 – Applicant Information and Signature**

**Applicant Information**

APPLICANT/BUSINESS NAME Cliff MacHugh w/ Jackass Mountain Holdings, LLC		PHONE NO. 509-266-4226	ADDITIONAL CONTACT NO. 509-531-7061
ADDRESS 660 Dogwood Rd.		FAX NO. 509-266-4900	
CITY Pasco	STATE WA	ZIP 99301	E-MAIL cliff@jackassmtranch.com
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

**Agent Information** – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT/BUSINESS NAME K&D Engineering, Attn: Ian McGuire		PHONE NO. 541-928-2583	ADDITIONAL CONTACT NO. 541-974-5194
ADDRESS 276 NW Hickory St		FAX NO. 541-967-3458	
CITY Albany	STATE OR	ZIP 97321	E-MAIL imcguire@kdeng.com
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Explain in your own words what you propose to accomplish with this permit amendment; and why: The plan is to add an additional well to the water right because the proposed well locations did not produce enough water to meet the needs. The neighboring land owners have granted permission to use the well and to cross their properties with the irrigation mainline. Preparation of final easement documents is underway. The additional well will be used to irrigate the entirety of the permitted area.

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

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Is the applicant the permit holder of record?  Yes  No

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If NO, include either:

- A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**
- An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

I understand that prior to Department approval of the permit amendment, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the permit is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: Albany Democrat Herald.



I (we) affirm that the information contained in this application is true and accurate.

Applicant Signature

Cliff MacHugh,  
Jackass Mountain Holdings, LLC  
Print Name (and Title if applicable)

11/7/18  
Date

**Check one of the following:**

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The permit holder(s) of record will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to the permit holder(s) of record.

**Check the appropriate box, if applicable:**

- Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME N/A	ADDRESS	
CITY	STATE	ZIP

- Check here if water for any of the permits supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME N/A	ADDRESS	
CITY	STATE	ZIP



To meet State Land Use Consistency Requirements, you must list all local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME <b>City of Millersburg</b>	ADDRESS <b>4222 NE Old Salem Rd.</b>	
CITY <b>Albany</b>	STATE <b>OR</b>	ZIP <b>97321</b>

ENTITY NAME <b>Linn County</b>	ADDRESS <b>300 SW 4<sup>th</sup> Ave.</b>	
CITY <b>Albany</b>	STATE <b>OR</b>	ZIP <b>97321</b>

**Note: Millersburg already signed the LUCS as part of the original application.**

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**Part 5 of 5 – Water Use Permit Information**

Please use a separate Part 5 for each permit being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

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PERMIT # G-17869

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**Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)**  
(Note: If the POD/POA name is not specified in the permit, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized by the permit or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L- )	Twp		Rng		Sec	1/4		Tax Lot, DL C or Gov. 't Lot	Measured Distances (from a recognized survey corner)
Well #1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LINN - 62064	10	S	3	W	20	NE	SW	58	40' S. & 2420' E. of W. 1/4 Cor. Sec. 20
Well #2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LINN - 62066	10	S	3	W	19	SE	NE	58	10' N. & 320' W. of W. 1/4 Cor. Sec. 20
Well #3	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LINN - 62065	10	S	3	W	20	NW	SE	58	820' S. & 3130' E. of W. 1/4 Cor. Sec. 20
Well #4	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	LINN-4878	10	S	3	W					

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- |   |  |
|---|--|
| <input type="checkbox"/> Place of Use (POU)                   | <input type="checkbox"/> Point of Appropriation/Well (POA)                   |
| <input type="checkbox"/> Point of Diversion (POD)             | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Surface water POD to Ground Water POA (SW/GW)       |

Will all of the proposed changes affect the entire water use permit?

- Yes Complete only the proposed ("to" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the permit to be changed.

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For a change in place of use:

Does the permit holder of record own or control the land TO which the place of use is being moved? **OWRD**  
N/A  Yes  No

If NO, the landowner of the land TO which the place of use is being moved must be assigned to the permit as a permit holder of record by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

Is the proposed place of use contiguous to the authorized place of use? N/A  Yes  No

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use unless the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken

for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

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Please use and attach additional pages of Table 2 as needed.  
See page 6 for instructions.

Do you have questions about how to fill-out the tables?  
Contact the Department at 503-986-0900 and ask for Transfer Staff.

**Table 2. Description of Changes to Water Use Permit # G-17869**

List the change proposed for the acreage in each ¼ ¼. If more than one change is proposed, specify the acreage associated with each change.  
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.											Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.													
Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Twp		Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date					
<b>EXAMPLE</b>																									
2	S	9	E	15	NE	NW	100			15.0	POD #1 POD #2		POU/POD	2	S	9	E	15	NW	NW	100	1	10.0	POD #5	
"	"	"	"	"	"	"	"	"	"	EXAMPLE	"	"	"	2	S	9	E	15	SW	NW	200		5.0	POD #6	
														10	S	3	W	19	SE	NE	300	55	8.3 acres	All	12/12/16
														10	S	3	W	19	SE	NE	300	58	2.7 acres	All	12/12/16
														10	S	3	W	19	NE	SE	300	55	0.7 acres	All	12/12/16
														10	S	3	W	20	NW	SW	300	55	2.3 acres	All	12/12/16
														10	S	3	W	20	SW	NW	300	55	25.1 acres	All	12/12/16
														10	S	3	W	20	SW	NW	300	58	9.5 acres	All	12/12/16
														10	S	3	W	20	SE	NW	300	55	0.1 acres	All	12/12/16
														10	S	3	W	20	SE	NW	300	55	32.3 acres	All	12/12/16
														10	S	3	W	20	NE	SW	300	55	0.2 acres	All	12/12/16
TOTAL ACRES												TOTAL ACRES										Cont.			

Additional remarks: **No changes to place of use, see original permit.**

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**Table 2. Description of Changes to Water Use Permit # G-17869**

List the change proposed for the acreage in each ¼ ¼. If more than one change is proposed, specify the acreage associated with each change. If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.										Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.												
Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date			Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date				
<b>EXAMPLE</b>																							
2	S	9	E	15	NE	NW	100		15.0	POD #1 POD #2	POU/POD	2	S	9	E	15	NW	NW	100	1	10.0	POD #5	
"	"	"	"	"	"	"	"	"	EXAMPLE	"	"	2	S	9	E	15	SW	NW	200		5.0	POD #6	
												10	S	3	W	20	NE	SW	300	58	2.5 acres	All	12/12/16
												10	S	3	W	20	NW	SE	300	58	22.6 acres	All	12/12/16
												10	S	3	W	20	SW	NE	300	58	35.0 acres	All	12/12/16
												10	S	3	W	20	SE	NE	300	58	1.9 acres	All	12/12/16
												10	S	3	W	20	NE	SE	300	58	1.2 acres	All	12/12/16
TOTAL ACRES											TOTAL ACRES										144.4		

Additional remarks: No changes to place of use, see original permit.

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Are there other water rights certificates, water use permits or ground water registrations associated with the "from" or "to" lands?  Yes  No

If YES, list the other certificate, permit, or ground water registration numbers: \_\_\_\_\_



If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

**For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:**

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map. (Tip: You may search for well logs on the Department's web page at: [http://apps2.wrd.state.or.us/apps/gw/well\\_log/Default.aspx](http://apps2.wrd.state.or.us/apps/gw/well_log/Default.aspx))

**AND/OR**

Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

**Table 3. Construction of Point(s) of Appropriation**

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well-specific rate (cfs or gpm). If less than full rate of water right
Well #1	Yes	LINN - 62064	40'	N/A	N/A	N/A	N/A	12'	Sandstone	N/A
Well #2	Yes	LINN - 62066	37'	N/A	N/A	N/A	N/A	12'	Sandstone	N/A
Well #3	Yes	LINN - 62065	37'	N/A	N/A	N/A	N/A	12'	Sandstone	N/A
Well #4	Yes	LINN-4878	35'	8"	0-35'	Unknown	25'-35'	6'	Unknown	1.34 cfs

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NOTICE TO WATER WELL CONTRACTOR  
The original and first copy  
of this report are to be  
filed with the

# WATER WELL REPORT

LINN  
4895

10s/3w-20

STATE ENGINEER, SALEM, OREGON 97310  
within 30 days from the date  
of well completion.

STATE OF OREGON  
(Please type or print)

State Well No.

State Permit No.

(Do not write above this line)

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### (1) OWNER:

Name DeBau, Alfred **OCT 13 1975**  
Address 2650 N. Alexander  
Albany, Oregon 97321  
SALEM, OREGON

### (2) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

### (3) TYPE OF WELL:

Rotary  Driven   
Cable  Jetted   
Dug  Bored

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### CASING INSTALLED:

Previous Threaded  Welded   
5" Diam. from 20 ft. to 140 ft. Gage PVC liner  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

### PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used electric drill  
Size of perforations 1/4 in. by 1/4 in.  
50 perforations from 100 ft. to 140 ft.  
perforations from ft. to ft.  
perforations from ft. to ft.

### (7) SCREENS:

Well screen installed?  Yes  No  
Manufacturer's Name  
Type Model No.  
Diam. Slot size Set from ft. to ft.  
Diam. Slot size Set from ft. to ft.

### (8) WELL TESTS:

Drawdown is amount water level is lowered below static level  
Was a pump test made?  Yes  No If yes, by whom?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Bailer test 50 gal./min. with 60 ft. drawdown after 2 hrs.  
Artesian flow g.p.m.

### (9) CONSTRUCTION:

Well seal—Material used cement  
Well sealed from land surface to previous ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal previous sacks  
Number of sacks of bentonite used in well seal \_\_\_\_\_ sacks  
Brand name of bentonite \_\_\_\_\_  
Number of pounds of bentonite per 100 gallons \_\_\_\_\_  
of water \_\_\_\_\_ lbs./100 gals.  
Was a drive shoe used?  Yes  No Plugs \_\_\_\_\_ Size: location \_\_\_\_\_ ft.  
Did any strata contain unusable water?  Yes  No  
Type of water \_\_\_\_\_ depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_  
Was well gravel packed?  Yes  No Size of gravel: \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

### (10) LOCATION OF WELL:

County Linn Driller's well number #1631075B  
NW  $\frac{1}{4}$  SE  $\frac{1}{4}$  Section 20 T. 10S. 3W W.M.  
Bearing and distance from section or subdivision corner

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 120 ft.  
Static level 11 ft. below land surface. Date 10-3-75  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing 6"  
Depth drilled 140 ft. Depth of completed well 140 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Previous	0	88	
claystone & fine gravel (grey)	88	90	
Fine sandstone (light grey)	90	95	
fine sandstone (light & blue grey)	95	120	11'
fine sand stone (dark grey)	120	130	
fine sandstone & silt (grey)	130	140	

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Work started 10-1 1975 Completed 10-3 1975  
Date well drilling machine moved off of well 10-3 1975

### Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Robert D. Claas Date 10/9 1975  
(Drilling Machine Operator) 658

Drilling Machine Operator's License No. \_\_\_\_\_

### Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Schoen Electric & Pump  
(Person, firm or corporation) (Type or print)  
Address 626 W. Queen Avenue - Albany, Oregon 97321  
[Signed] Larry E. Schoen  
(Water Well Contractor)  
Contractor's License No. 513 Date 10/9 1975

STATE OF OREGON
GEOTECHNICAL HOLE REPORT
(as required by OAR 690-240-0035)

Revised

(1) OWNER/PROJECT Hole Number #1
PROJECT NAME/NBR:
First Name Last Name
Company Jackass Mountain Holding LLC
Address 660 Dogwood Rd.
City Pasco State WA Zip 99301

(2) TYPE OF WORK [X] New [ ] Deepening [X] Abandonment
[ ] Alteration (repair/recondition)

(3) CONSTRUCTION
[X] Rotary Air [ ] Hand Auger [ ] Hollow stem auger
[ ] Rotary Mud [ ] Cable [ ] Push Probe
[ ] Other

(4) TYPE OF HOLE:
[X] Uncased Temporary [ ] Cased Permanent
[ ] Uncased Permanent [ ] Slope Stability
[ ] Other
Other: 6" casing installed and removed

(5) USE OF HOLE
Formation exploratory

(6) BORE HOLE CONSTRUCTION Special Standard [ ] (Attach copy)
Depth of Completed Hole 40.00 ft.
BORE HOLE SEAL sacks/ lbs
Dia From To Material From To Amt

Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size

(7) CASING/SCREEN
Casing Screen Dia + From To Gauge Stil Plstc Wld Thrd

(8) WELL TESTS
Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration(hr)

Temperature 56 °F Lab analysis [ ] Yes By
Supervising Geologist/Engineer
Water quality concerns? [ ] Yes (describe below)
From To Description Amount Units

(9) LOCATION OF HOLE (legal description)
OWRD
County LINN Twp 10.00 S N/S Range 3.00 W E/W WM
Sec 20 SE 1/4 of the NW 1/4 Tax Lot 300
Tax Map Number Lot
Lat " or DMS or DD
Long " or DMS or DD
[ ] Street address of hole [ ] Nearest address
Conser Rd. & Woods Rd. - Millersburg, OR

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Predeepening
Completed Well 08-28-2017 12

WATER BEARING ZONES
Flowing Artesian? [ ]
Depth water was first found 24.00
SWL Date From To Est Flow SWL(psi) + SWL(ft)
08-28-2017 24 33 10 12

(11) SUBSURFACE LOG Ground Elevation
Material From To
Brown clay 0 15
Cemented sand & gravel 15 24
Blue sand 24 25
Sand & gravel 25 30
Dirty sand & gravel 30 33
Gray clay 33 34
Gray sandstone 34 40

Date Started 08-28-2017 Completed 08-28-2017

(12) ABANDONMENT LOG:
Material From To Amt lbs
Bentonite 0 40 12 S

Date Started 08-28-2017 Completed 08-28-2017

Professional Certification (to be signed by an Oregon licensed water or monitoring well constructor, Oregon registered geologist or professional engineer).

I accept responsibility for the construction, deepening, alteration, or abandonment work performed during the construction dates reported above. All work performed during this time is in compliance with Oregon geotechnical hole construction standards. This report is true to the best of my knowledge and belief.

License/Registration Number 1888 Date 10/02/17
First Name Kenneth Last Name Gillett
Affiliation Jones Drilling Co., Inc.

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY

**LINN 62064**  
SEC. 20 T. 10S. R. 03W. W.M.  
LINN COUNTY, OREGON  
1" = 400'

10 3W 20  
**MILLERSBURG**

SEE MAP 10 3W 17



SEE MAP 10 3W 19

SEE MAP 10 3W 21B

P.P.M. 1990-2

**8-9**

**8-7**

SEE MAP 10 3W 21

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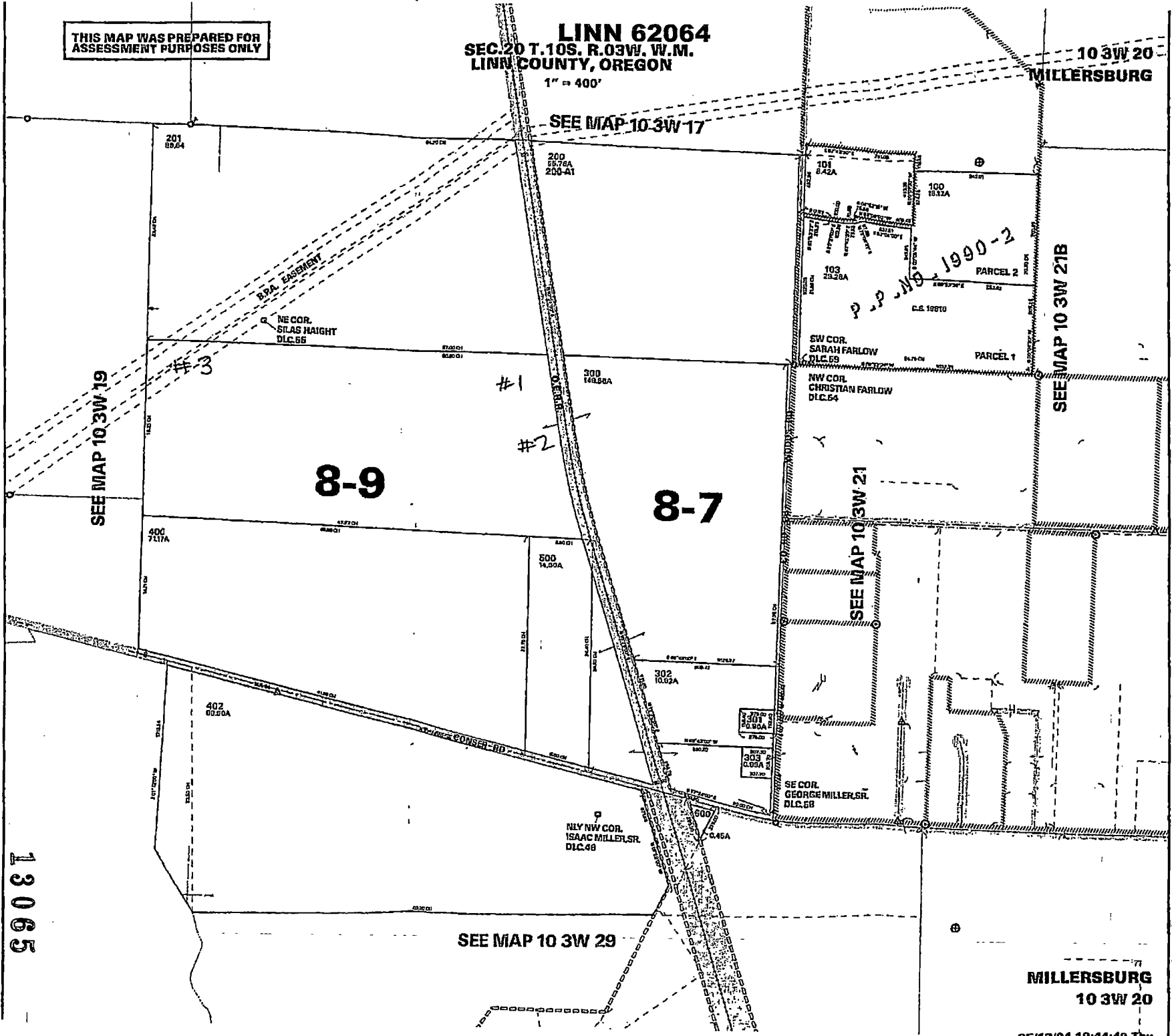
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SEE MAP 10 3W 29

**MILLERSBURG**  
10 3W 20



Revised

STATE OF OREGON  
GEOTECHNICAL HOLE REPORT  
(as required by OAR 690-240-0035)

OWRD

(1) OWNER/PROJECT Hole Number #2

PROJECT NAME/NBR: \_\_\_\_\_

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Company Jackass Mountain Holding LLC

Address 660 Dogwood Rd.

City Pasco State WA Zip 99301

(2) TYPE OF WORK  New  Deepening  Abandonment  
 Alteration (repair/recondition)

(3) CONSTRUCTION  
 Rotary Air  Hand Auger  Hollow stem auger  
 Rotary Mud  Cable  Push Probe  
 Other \_\_\_\_\_

(4) TYPE OF HOLE:  
 Uncased Temporary  Cased Permanent  
 Uncased Permanent  Slope Stability  
 Other  
Other: 6" casing installed and removed

(5) USE OF HOLE  
Formation exploratory

(6) BORE HOLE CONSTRUCTION Special Standard  (Attach copy)  
Depth of Completed Hole 37.00 ft.

BORE HOLE			SEAL			sacks/ lbs
Dia	From	To	Material	From	To	
6	0	37				

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Filter pack from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_ Size \_\_\_\_\_

(7) CASING/SCREEN

Casing	Screen	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="radio"/>	<input type="radio"/>	6		0	37	250	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>						<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>						<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>						<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS

<input type="radio"/> Pump	<input type="radio"/> Bailer	<input checked="" type="radio"/> Air	<input type="radio"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem/Pump depth	Duration(hr)
5		35	1

Temperature 56 °F Lab analysis  Yes By \_\_\_\_\_

Supervising Geologist/Engineer \_\_\_\_\_

Water quality concerns?  Yes (describe below)

From	To	Description	Amount	Units
		TDS	200	

(9) LOCATION OF HOLE (legal description)

County LINN Twp 10.00 S N/S Range 3.00 W E/W WM

Sec 20 SE 1/4 of the NW 1/4 Tax Lot 300

Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_

Lat \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD

Long \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD

Street address of hole  Nearest address

Conser Rd. & Woods Rd. - Millersburg, OR

(10) STATIC WATER LEVEL

Existing Well / Predeepening	Date	SWL(psi)	+	SWL(ft)
Completed Well	08-28-2017			12

Flowing Artesian?   
WATER BEARING ZONES Depth water was first found 17.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
08-28-2017	17	25	5			12

(11) SUBSURFACE LOG Ground Elevation

Material	From	To
Brown clay	0	10
Cemented sand & gravel	10	17
Clay with sand & gravel	17	25
Gray sandstone	25	37

Date Started 08-28-2017 Completed 08-28-2017

(12) ABANDONMENT LOG:

Material	From	To	Amt	sacks/ lbs
Bentonite	0	37	13	S

Date Started 08-28-2017 Completed 08-28-2017

Professional Certification (to be signed by an Oregon licensed water or monitoring well constructor, Oregon registered geologist or professional engineer).

I accept responsibility for the construction, deepening, alteration, or abandonment work performed during the construction dates reported above. All work performed during this time is in compliance with Oregon geotechnical hole construction standards. This report is true to the best of my knowledge and belief.

License/Registration Number 1888 Date 10/02/17

First Name Kenneth Last Name Gillett

Affiliation Jones Drilling Co., Inc.

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY

**LINN 62065**  
SEC. 20 T. 10S. R. 03W. W.M.  
LINN COUNTY, OREGON

1" = 400'

SEE MAP 10-3W-17

10 3W 20

MILLERSBURG



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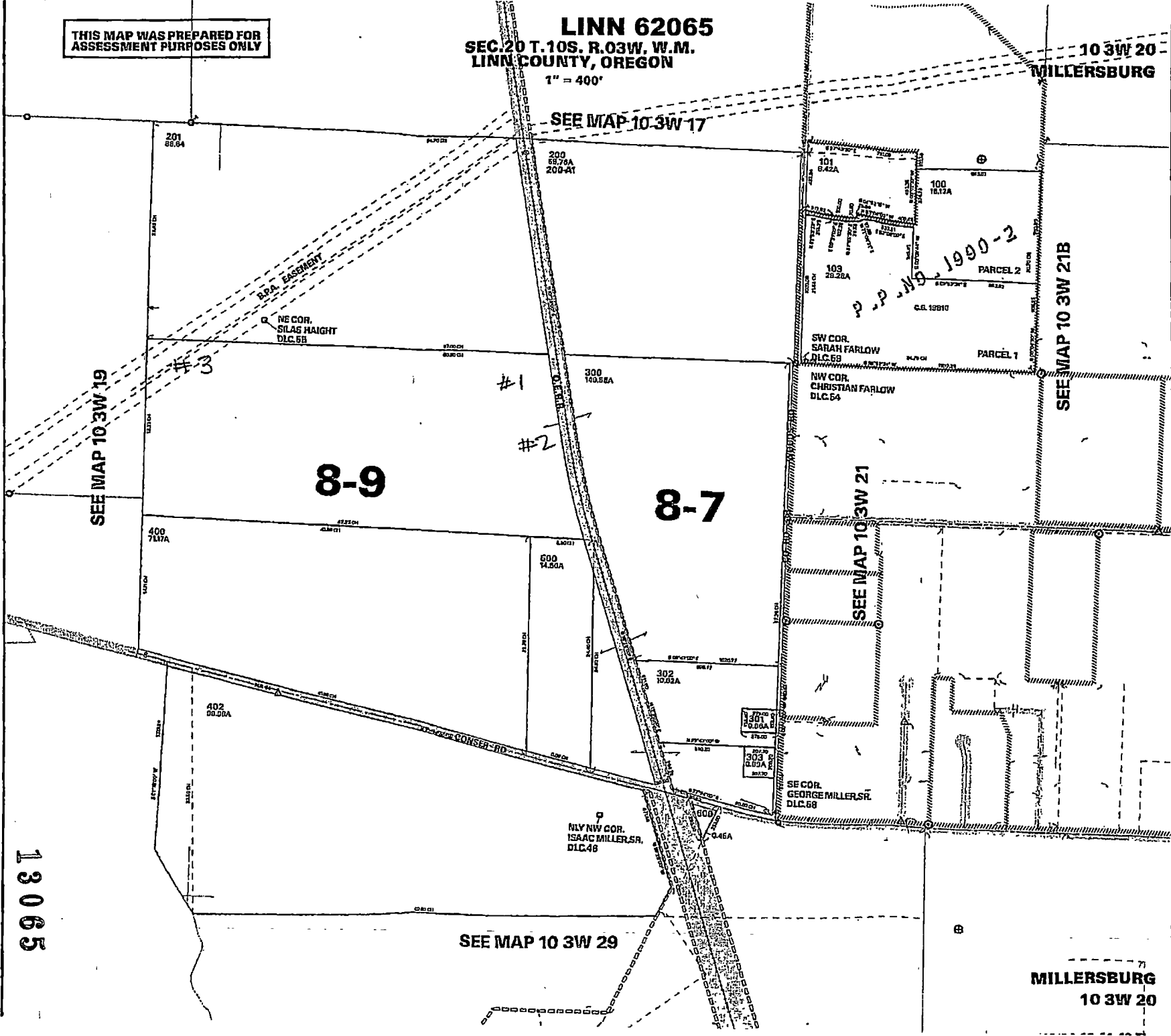
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SALEM, OR



SEE MAP 10 3W 19

8-9

8-7

SEE MAP 10 3W 21

SEE MAP 10 3W 21B

SEE MAP 10 3W 29

MILLERSBURG  
10 3W 20

13065

LINN 62066

Revised

STATE OF OREGON  
GEOTECHNICAL HOLE REPORT  
(as required by OAR 690-240-0035)

OWRD

(1) OWNER/PROJECT Hole Number #3

PROJECT NAME/NBR: \_\_\_\_\_

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Company Jackass Mountain Holding LLC

Address 660 Dogwood Rd.

City Pasco State WA Zip 99301

(2) TYPE OF WORK  New  Deepening  Abandonment  
 Alteration (repair/recondition)

(3) CONSTRUCTION  
 Rotary Air  Hand Auger  Hollow stem auger  
 Rotary Mud  Cable  Push Probe  
 Other \_\_\_\_\_

(4) TYPE OF HOLE:  
 Uncased Temporary  Cased Permanent  
 Uncased Permanent  Slope Stability  
 Other  
Other: 6" casing installed and removed

(5) USE OF HOLE  
Formation exploratory

(6) BORE HOLE CONSTRUCTION Special Standard  (Attach copy)  
Depth of Completed Hole 37.00 ft.

BORE HOLE SEAL

Dia	From	To	Material	From	To	sacks/ Amt lbs
6	0	37				

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Filter pack from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_ Size \_\_\_\_\_

(7) CASING/SCREEN

Casing	Screen	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6		0	37	250	<input checked="" type="checkbox"/>	<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"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration(hr)
20		37	1

Temperature 56 °F Lab analysis  Yes By \_\_\_\_\_  
Supervising Geologist/Engineer \_\_\_\_\_  
Water quality concerns?  Yes (describe below)

From	To	Description	Amount	Units
		TDS	1,200	

(9) LOCATION OF HOLE (legal description)  
County LINN Twp 10.00 S N/S Range 3.00 W E/W WM  
Sec 20 SE 1/4 of the NW 1/4 Tax Lot 300  
Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
Lat \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
Long \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Street address of hole  Nearest address  
Conser Rd. & Woods Rd. - Millersburg, OR

(10) STATIC WATER LEVEL

Existing Well / Predeepening	Date	SWL(psi)	+ SWL(ft)
Completed Well	08-28-2017		12

Flowing Artesian?   
WATER BEARING ZONES Depth water was first found 15.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
08-28-2017	15	35	20		12

(11) SUBSURFACE LOG Ground Elevation

Material	From	To
Brown clay	0	10
Cemented sand & gravel	10	35
Gray sandstone	35	37

Date Started 08-28-2017 Completed 08-28-2017

(12) ABANDONMENT LOG:

Material	From	To	sacks/ Amt lbs
Bentonite	0	37	13 S

Date Started 08-28-2017 Completed 08-28-2017

Professional Certification (to be signed by an Oregon licensed water or monitoring well constructor, Oregon registered geologist or professional engineer).  
I accept responsibility for the construction, deepening, alteration, or abandonment work performed during the construction dates reported above. All work performed during this time is in compliance with Oregon geotechnical hole construction standards. This report is true to the best of my knowledge and belief.  
License/Registration Number 1888 Date 10/02/17  
First Name Kenneth Last Name Gillett  
Affiliation Jones Drilling Co., Inc.



THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY

**LINN 62066**  
SEC. 20 T. 10S. R. 03W. W. M.  
LINN COUNTY, OREGON

1" = 400'

10 3W 20  
MILLERSBURG

SEE MAP 10-3W 17

201  
80.04

200  
80.79A  
200-A1

201  
80.04A

100  
10.12A

B.S.A. EASEMENT

NE COR.  
SILAS HAIGHT  
DLC.58

P.P. NO. 1990-2

SEE MAP 10 3W 21B

SEE MAP 10 3W 19

300  
143.56A

SW COR.  
SARAH FARLOW  
DLC.69

PARCEL 1

NW COR.  
CHRISTIAN FARLOW  
DLC.64

8-9

8-7

SEE MAP 10 3W 21

400  
70.17A

500  
14.02A

302  
100.22A

301  
10.05A

303  
10.09A

SE COR.  
GEORGE MILLER, SR.  
DLC.68

402  
00.28A

NLY NW COR.  
ISAAC MILLER, SR.  
DLC.46

SEE MAP 10 3W 29

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MILLERSBURG  
10 3W 20

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**K & D ENGINEERING, INC.**  
 276 N.W. Hickory Street • P.O. Box 725  
 Albany, OR 97321

**LETTER OF TRANSMITTAL**

Phone: (541) 928-2583  
 Fax: (541) 967-3458

TO Oregon Water Resources Dept.  
725 Summer St. NE, Suite A  
Salem, Or. 97301-0900

DATE	11-14-18	JOB NO.	16-208
ATTENTION			
RE:	Macthugh (Jackass Mtn Holdings) Water Right		

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

- Shop drawings     Prints     Plans     Samples     Specifications  
 Copy of letter     Change order     \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1			Application for Permit Amendment
1			Check # 31126 \$1570 <sup>00</sup>
1			Land Use Information Form
1			Water Well Report, etc.
1			Reduced Size Map (11x17)
1			Full Size Map (18x24)

THESE ARE TRANSMITTED as checked below:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval  
 For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution  
 As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints  
 For review and comment     \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_     PRINTS RETURNED AFTER LOAN TO US

REMARKS \_\_\_\_\_

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COPY TO file

SIGNED: Jan McGuire, CWRE by ls