PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

то:		Water	Rights S	ection				Date	e 28 Febr	uary 200)8	
FROM	1 :	Groun	d Water/	Hydrology	Section _	Geral	d H. Gron	ıdin				
SUBJI	ЕСТ•	Applia	ration C	-16989			ewer's Name	review of				
, C DJI	ECI.	тррис	.auon <u>G</u>	10/07		s	uperseucs	TO VION UI		Date of Re	view(s)	
DITRI	IC INT	FDFCT	DDECI	MPTION;	CDOUN	DWATE	D					
OAR 6	590-310- 1 e, safety a	1 30 (1) 7 and healt	The Depar h as descr	rtment shall ibed in ORS	presume t 537.525.	<i>hat a prop</i> Departmen	osed groun t staff revie	w ground wa	ter application	s under O	AR 690-	310-140
									d use be modi- cies in place a			
•	•				-							
A 1.									Clamath			
			ost River						Merrill			
A 2.	Propose	ed use:]	Municipal		Se	asonality:	Year	r-round (365	days)		
43.	Well ar	ıd aquife	er data (att	ach and nu	mber logs	for existin	g wells; ma	ark proposed	wells as such	under lo	gid):	
Wel	Log	id	Applican		oposed	Propos		Location	Locatio	on, metes	and bour	nds, e.g.
1			Well #	A	quifer*	Rate(cf	18) (1	T/R-S QQ-Q)	2230	N, 1200' E	If NW CO	or 8 30
2	KLAM	14959	2	E	Basalt	2.90	41S/1	0E-sec 11 A	AA 414'	W, 190' S	fr NE co	· S 11
3												
4 Alluvi	ium, CRB,	Bedrock										
	Well	First	CMA	CMA	Well	Seal	Casing	Liner	Perforations	Well	Draw	m .
Well	Elev ft msl	Water ft bls	SWL ft bls	SWL Date	Depth (ft)	Interval (ft)	Intervals (ft)	Intervals (ft)	Or Screens (ft)	Yield (gpm)	Down (ft)	Test Type
1	4069	075	22	06/22/62	1012	0.760	0.760	None	None	2450	10	P
3	4068	975	33	06/??/62	1012	0-760	0-760	None	None	2450	19	P
4												
A4.	Commo	ents:	ell log). T	ed in 1962 a	y well (Kl				is called Ow nd is called V			
									f basin fill at th the basin f			
	other.		ation dot						match. One nation elsewh			
A5. 🗌	Provis manage	ions of t	heground w	N.A. rater hydraul		nected to su	Basin r	ules relative	to the develop	oment, classitivated by	ssification this app	n and/or
	Comme	ents:	No basin	rule applie	es. Only			Compact O	RS 542.610 1	to 542.630) applies	s to the
۸ <i>د</i>												tion
4 6. ∐	Name o	of admini	istrative ar	rea:			, tap(s)	an aquifer lii	nited by an ad	mmstrati	ve restric	uon.
	Comme	ntc.	Currently	, no admini	strative a	rea						

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

B1.	Base	ed upon available data, I have determined that ground water* for the proposed use:
	a.	is over appropriated, is not over appropriated, or is cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;
	b.	☐ will not or ☐ will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;
	c.	\square will not or \square will likely to be available within the capacity of the ground water resource; or
	d.	will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource: i. The permit should contain condition #(s) 7B and 7N ii. The permit should be conditioned as indicated in item 2 below. iii. The permit should contain special condition(s) as indicated in item 3 below;
B2.	a.	Condition to allow ground water production from no deeper than ft. below land surface;
	b.	☐ Condition to allow ground water production from no shallower than ft. below land surface;
	c.	Condition to allow ground water production only from the ground water reservoir between approximately ft. and ft. below land surface;
	d.	☐ Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.
		Describe injury —as related to water availability— that is likely to occur without well reconstruction (interference w/senior water rights, not within the capacity of the resource, etc):
В3.	Gro	ound water availability remarks:
D 3.	<u> </u>	und water availability remarks.
	Rec	ommend conditions 7B and 7N.
	Data	a from the eastern Lost River sub-basin ground water investigation (Grondin, 2004) and the USGS-OWRD
	coo	perative Upper Klamath Basin ground water investigation (Gannett and others, 2007) indicate basin long-term
		und water levels are generally controlled by climate and short-term (seasonal) ground water levels are controlled ground water use.
	A 11	
		litionally, the USGS (2005) has documented annual water level declines in the basin south of Upper Klamath Lake e 2001, including wells in the vicinity of Merrill. The declines are greater than typically observed during drought
		ods. Gannett and others (2007) noted seasonal declines in 2004 exceeding 10 feet and annual declines from 2001
	<u>to 2</u>	004 exceeding 15 feet. They appear related to the USBOR Klamath Project Water Bank.
	Att	his time, future ground water use for the USBOR water bank is uncertain, and it is uncertain whether the post-
		9 ground water level declines in the Merrill vicinity will continue, stabilize at a lower level, or recover.
		ven wells in the Merrill vicinity with water level measurements on file at OWRD were found. The data is narily after the year 2000. The measurements at 5 wells (KLAM 53269, KLAM 53043, KLAM 52795, KLAM
	5270	61, and KLAM 10506) show seasonal and annual ground water level declines since 2000 consistent with the USGS
		25) and Gannett and others (2007) observations noted above. The measurements at 3 more wells (KLAM 53201,
		AM 53758, and KLAM 52972) also indicate decline, but the data is sparse. The measurements at the last 3 wells AM 53045, KLAM 14925, and KLAM 52646) show rising ground water levels. However, the ground water at the
	_	sites appears locally influenced by canal leakage.

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040 (1):** Evaluation of aquifer confinement:

Wel 1	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Basalt		\boxtimes
2			
3			
4			
5			

Water well reports (well logs) for wells in the general area indicate the sediment thickness varies from less than 50 to more than 900 feet.									less th	an 50
horizon assume	tal dis d to be	(3): Evaluation of distance tance less than ¼ mile from a hydraulically connected to the ted for PSI.	surface water	r source th	nat produce	water f	from an u	nconfine	d aquife	r sha
Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)		Hydraulica Connecte NO ASS	d?	Subst	ume
1	1	Lost River	4035	4060	400					.
						⊢片				
	nd Tul	others (2007) show ground wa the Lake. This includes flow ac face water are hydraulically co	ross the proponnected.	osed well	site. Gener	ally in ound water lev	the Upperater level	er Klama	rill vici	n, gr nity
River and water and The Jurare lower	e 1962 er than	2 ground water level at the pr 1 the Lost River elevation in th	ne Merrill vic							
River an water an The Jurare lowe the Lost Californ	e 1962 er than t River nia bou		ne Merrill vic data indicate nd water and	es the rive surface v	er gains wat vater elevati	ions, it	appears	ene Gap that the		

C3a. **690-09-040 (4):** Evaluation of stream impacts for <u>each well</u> that has been determined or assumed to be **hydraulically** connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < 1/4 mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?

Commo	ents: _									
Well K	LAM 1	14959 is les	s than 0.	.25 miles fro	om the Lost I	River.				
vicinity of well	. Whe KLAN	re ground I 14959, p	water is rimarily	connected t	to the river in	n Oregon a	ppears to be	to the north	iver elevation in the beyond the dir w model under	ect influence

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-D	istributed	Wells											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
Distrib	outed Well	ls											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												1
Interfer	ence CFS												1
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												·
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
(A) = To	otal Interf.												
	% Nat. Q												
(C) = 1	% Nat. Q										_		
$(\mathbf{D}) = (A$	1) > (C)												
	/B) x 100												. <u> </u>
	-	CEC	(D) 337 A	D 1 1 4	1 4 1	flow at 80%	, 1	OEG (C	10/ 6	1 1 1 1	4 1 0	4.000/	

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation:	
_	

Well KLAM 14959 is less than 0.25 miles from the Lost River.

The ground water level appears to be below the Lost River elevation in the Merrill vicinity. Where ground water is connected to the river appears to be more than one-mile to the north beyond the direct influence of KLAM 14959, primarily north of Stukle Mountain.

Interference at the Lost River was not calculated given where ground water is connected to the river is in an area beyond the direct influence of KLAM 14959, primarily north of Stukle Mountain. This hydrogeologic situation exceeds the assumptions of the tool currently used to calculate the interference with surface water. The regional ground water flow model under development by the USGS is needed to assess the impact.

C4b.	690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.
C5.	If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below;
C6 S	W / GW Remarks and Conditions
_	
R	cannett and others (2007) show ground water flow from the uplands north west, and east of Merrill toward the Los liver and Tule Lake. A ground water connection between the proposed well KLAM 14959 and the Lost River likel xists in Oregon, but in an area beyond the direct influence of KLAM 14959, primarily north of Stukle Mountain.
	a permit is issued, include conditions 7B and 7N
_ _ _	
_ _ _	
_	
_	
_	
R	eferences Used:
of	Frondin, G.H., 2004. Ground Water in the Eastern Lost River Sub-Basin, Langell, Yonna, Swan Lake, and Poe Valley f Southeastern Klamath County, Oregon. Ground Water Report 41, Oregon Water Resources Department, Salen Oregon.
th	SGS, 2005. Assessment of the Klamath Project pilot water bank: a review from a hydrologic perspective. Prepared be U.S. Geological Survey Oregon Water Science Center, Portland, Oregon for the U.S. Bureau of Reclamation Klamat asin Area Office, Klamath Falls, Oregon, May 3, 2005.
	annett, M.W., Lite, K.E., La Marche, J.L., Fisher, B.J., and Polette, D.J., 2007. Ground-Water Hydrology of the Uppe Jamath Basin, Oregon and California. USGS Scientific Investigations Report 2007-5050.
	lydrographs and water well reports for wells KLAM 53269, KLAM 53043, KLAM 52795, KLAM 52761, KLAM 10500 LLAM 53201, KLAM 53758, KLAM 52972, KLAM 53045, KLAM 14925, and KLAM 52646.
_	
_	
_	
_	
_	
_	

D. WELL CONSTRUCTION, OAR 690-200

D1.	Well #:	1			Logid:	KLAM 14959	
D2.	THE W	ELL does no	ot meet current well co	onstruction standa	ards based upo	on:	
	a. 🗌	review of the					
	b. 🗌	field inspect	ion by				;
	c. 🔲	report of CV	VRE				;
	d	other: (speci	fy)				
		-					
D3.	THE W	ELL constru	iction deficiency:				
	a. 🔲		health threat under Div				
	b. 📙		water from more than o	one ground water r	eservoir;		
	. —		oss of artesian head;	_			
	d.		de-watering of one or m				
	e	other: (speci	fy)				
D4.	THE W	ELL constru	ıction deficiency is des	scribed as follows:	:		
D5.	THE W	ELL a		not constructed accition or most recen		tandards in effect at the time of	
			_				
		b	. I don't know if i	t met standards at	the time of cons	struction.	
D6.	Route 1	to the Enforc	ement Section.				
20. 2							
				l construction an	d note to Wate	er Rights acceptance of well co	onstruction or
	any def	<u>iciencies that</u>	need correction.				
	-						
THIS	SECTIO	ON TO BE (COMPLETED BY E	NFORCEMEN'	T PERSONN	EL	
D7.	Well co	nstruction def	ficiency has been correc	eted by the following	ng actions:		
<i>υ</i> /	_ wen co.	iistruction uci	iciency has been correc	ted by the following	ing actions.		
							, 200
		(Enforcement	nt Section Signature)				
D0 F	¬ n	4- W-4 P'	1.4. C42 (44 1	11	14-41 *)	
D8.	_ Koute 1	to Water Rig	hts Section (attach we	II reconstruction	logs to this pag	ge).	

REGEIVED

Klam 14959

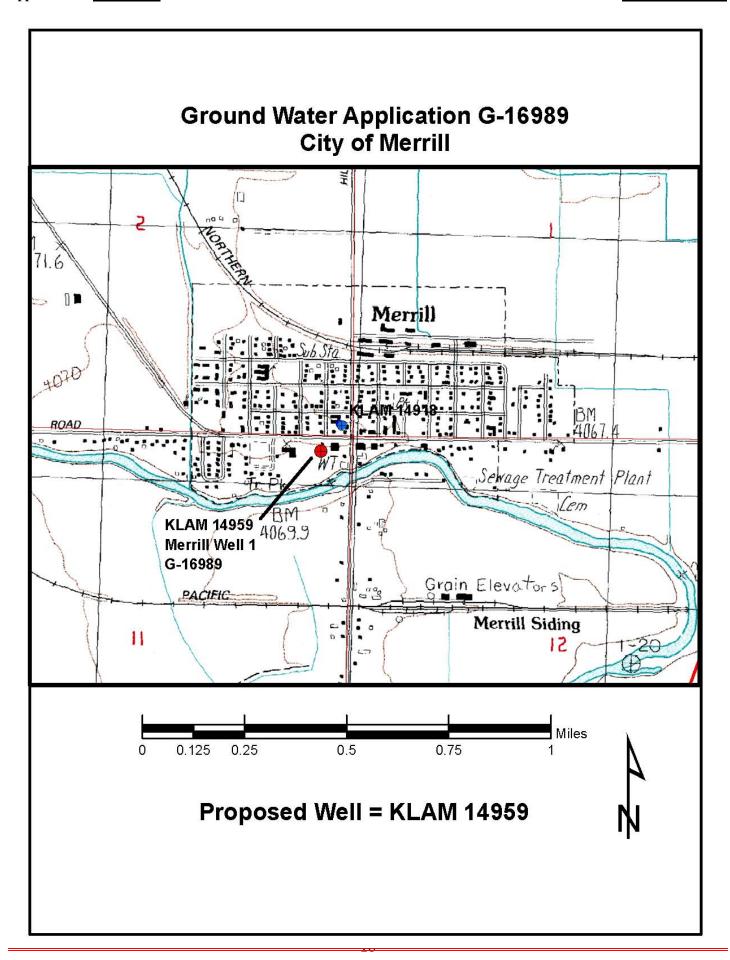
(Page 1)

File Original and First Copy with the STATE ENGINEER, SALEM OREGON WATER WELL REPORT

State Well No. 41 /10 - // A

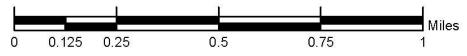
SALEM, OREGON	5.4 (15.5% 4.2% W.A.	State Permit No		
(1) OWNER: Name CITY OF MERRILL	Page #1	(11) WELL TESTS: Drawdown is amount lowered below static was a pump test made? Yes no If yes, by who	level	
Address Merrill, Oreg	ron	Yield: 2450 gal./min. with 19 ft. drawdo		B hrs
		" " " " "	WII direi	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(a) I OCIAMION OF THEIR		" " "		,,
(2) LOCATION OF WELL:	2	Bailer test gal./min. with ft. drawdo	wn after	hrs
	r. 41 S R 10 E W.M.	Artesian flow g.p.m. Date		
	the state of the s	Temperature of water 74 Was a chemical analysis r	nade? 🏻 V	es XN
Bearing and distance from section or subdivision 3. 120 So. Center of			12.00 TO BE 1925 V	
Lot 3, 120' SO. Center of Original Map, City of Merr		(12) WELL LOG: Diameter of well	2020	inches
26' West of East Line	itti, oregon	Depth drilled 1012 ft. Depth of completed		
20. Mest of Hast Hille	*	Formation: Describe by color, character, size of mater show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each	ial and stru	ucture, and
		stratum penetrated, with at least one entry for each	change of	formation
		MATERIAL	FROM	TO
(3) TYPE OF WORK (check):		Top Soil	0	8
[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	nditioning Abandon	Hard pan (chalk conglomrate)	8	12
f abandonment, describe material and proce	dure in Item 11.	Brown Chalk	12	37
PROPOSED VICE (I I)	Tork marine on several	Grey Sand	37	40
PROPOSED USE (check):	(5) TYPE OF WELL:	Green Chalk	40	88
Domestic 🗌 Industrial 🗎 Municipal 🛣	Rotary Driven Cable Detted	Sand fine	88	90
rrigation Test Well Other	Dug 🗆 Bored 🗆	Grev Chalk	90	130
A) CACING INCHAIL IN		Green & Brown chalk	130	175
	hreaded Welded	Black Sand fine	175	177
14		Dark Grey Chalk	177	195
12		_Green Chalk	195	250
" Diam. from ft. to	ft. Gage	Grey Chalk	250	305
7) PERFORATIONS: PO	erforated? Yes No	Grey Sand KNNXXX	305	306
ype of perforator used	choracea: 1 res 1 no	Grey Chalk	306	350
IZE of perforations in. by	in.	Sand Grey Black	350	355
perforations from		Grey Chalk	355	381
perforations from		Blue Chalk	381	400
perforations from		Grev Chalk	400	452
perforations from	244-1112 라고스() () () [10] () 20 PERODES (20 122) [12 120 12 21 4 10 12 21 4 10 12 21 4 10 10 12 21 4 10 10 10 10 10 10 10 10 10 10 10 10 10	_Green Chalk	452	480
perforations from		Grey Chalk	480	495
****		Green Chalk	495	505
8) SCREENS: Well screen	installed 🗌 Yes 🏝 No	Black lava Rock	505	507
Ianufacturer's Name		Semi hard grey sand	507	509
уре	Model No.	Grey Chalk	509	523
Slot size Set from	ft. to ft.	Green Chalk	525	540
Slot size Set from	ft, to ft.	Work started 19 . Completed		. 19
A) CONCERNICE ON				
9) CONSTRUCTION:		(13) PUMP:		
Vas well gravel packed? ☐ Yes 🗗 No Siz		Manufacturer's Name		
Vas a surface seal provided? Tyes Li No		Type:	н.р.	
Vas a surface seal provided? Yes No Material used in seal— Cemen		W.I. D. III. I. G.		
old any strata contain unusable water?		Well Driller's Statement:		
and and tomain unusable water!		This well was drilled under my jurisdiction	and this	report is
'vne of water? Denth of		true to the best of my knowledge and belief		
	f strata	true to the best of my knowledge and belief.		
		true to the best of my knowledge and belief.		
Method of sealing strata off Coment (10) WATER LEVELS:	f strata ted off.	NAME (Person, firm, or corporation) (I		t)
Method of sealing strata off Coment (10) WATER LEVELS:	f strata	true to the best of my knowledge and belief.		t)
Method of sealing strata off Coment (10) WATER LEVELS: Static level 35 ft. below land	f strata ted off.	NAME (Person, firm, or corporation) (I		t)
(10) WATER LEVELS: Static level 33 ft. below land Artesian pressure ibs. per squ	ted off. surface Date June 1962	NAME (Person, firm, or corporation) (I		t)
(10) WATER LEVELS: Static level 35 ft. below land Artesian pressure ibs. per squ	ted off. surface Date June 1962	NAME (Person, firm, or corporation) (I		t)

GEGGE	f C. · ·	KIAM 14961)(Pa	ge 2)	
			4 ,	1/10-11.	
File Original and	WATER WI	ELL REPORT	State Well No.	10-11	A
First Copy with the STATE ENGINEER, SALEM, OREGON STATE	7.251	F OREGON	State Permit No		
(1) OWNER:	16CM PA9-12	(11) WELL TESTS:	Drawdown is amount lowered below static le	water leve	el is
Name OITY OF MERRILL	Was a pump test made? Yes No If yes, by whom?				
Address Merrill,	Yield: gal./min.			hrs.	
	NEW CONTRACTOR OF THE PROPERTY		, , , , ,		
(2) LOCATION OF WELL:	1895-9	, ,	"		•
County Owner's n	Bailer test gal./min.	with ft. drawdow	n after	hrs.	
¼ ¼ Section T	Artesian flow g.p.m. Date				
Bearing and distance from section or subdivis	R, W.M.	Temperature of water V	Vas a chemical analysis m	ade? 🔲 Y	es 🗆 No
	(12) WELL LOG:	Diameter of well	12	inches.	
	Depth drilled 1012 ft. Depth of completed well 1012 ft.				
	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.				
•	•	show thickness of aquifers an stratum penetrated, with at I	d the kind and nature of	the mater	ial in each
		MATER		FROM	T
(3) TYPE OF WORK (check):				540	550
	nditioning	GreyChalk Green Chalk		550	
If abandonment, describe material and process		Grey Chalk		880 %	
Onnonogun / · · ·	Sand semi hard grey		880	891	
PROPOSED USE (check):	(5) TYPE OF WELL:	Red Lava Rock	J	900	905
Domestic ☐ Industrial ☐ Municipal ☐	Rotary Driven Cable Jetted	Grey Lava rock		905	927
Irrigation ☐ Test Well ☐ Other ☐	Dug Bored	Grey Lava (crevice) (Bitleft)	927	932
(c) CASING INSTALLED.		Grey Lava very har		932	939
(6) CASING INSTALLED: The Diam. from the to	readed Welded	Broken Lava		939	942
		Grey Lava	/w/	942	947
Tolam, from ft, to			(W/sand in it)	947	950
		Grey Stees lava &		950	975
	erforated? Yes No	Lava & Black Perou	s cinders ("Co	1.712	995
Type of perforator used	in.	Lava Black Lava Broken porous	(t)	995 1000	1012
SIZE of perforations in. by	(Ten inch bit was	drilled by at.	032 fe	p+)	
perforations from	(Casing cemented				
perforations from perforations	from 763 back up to				
perforations from	put in at 184 to189				
perforations from	from 189 to 20 feet				
:	around the 12 inch	casing. Three	yards	of cement	
(8) SCREENS: Well screen i	was put in from 20	feet to ground	level.		
Manufacturer's Name	A 18 inch hole was	drilled from 6	to 39	p.	
Type	14 inch casing is frun thru the 14 inc		12 1n	cn 18	
Slot size Set from Store Set from Set from Store Set from	- The state of the		0 7	62	
	Work started July29	1960. CompletedJun	0 1,	19 62	
(9) CONSTRUCTION:	2004000000	(13) PUMP:			
Was well gravel packed? Yes No Size Gravel placed from	Manufacturer's Name Layne & Bowler				
Was a surface seal provided? ☐ Yes ☐ No	Type: H.P. 75				
Material used in seal—	Well Driller's Statement:				
Did any strata contain unusable water?	es 🗆 No	This well was drilled u	nder my jurisdiction	and this	report is
Type of water? Depth of	strata	true to the best of my know		and und	report is
Method of sealing strata off	WILGON DETLI THE COMPRACTOR				
(10) WATER LEVELS.	NAMESON WILSON DRILLING CONTRACTOR. (Person, firm, or opporation) (Type or print)				
(10) WATER LEVELS: Static level ft. below land	Address Box 136				
Artesian pressure lbs. per squ		omen a databasement või 1777 Välisikat või või 1867.			
1 (),	Driller's well number	D U	1 >	************	
Log Accepted by:	[Signed] /2) all	7 t. 60	Mes	2	
[Signed] (List Mention Sate		(Well Driller)	20		
City of Merrilly	July 5, 19.62	License No169	DateJune	<u> </u>	, 1962
Locarded - The ASURER	(USE ADDITIONAL SH	EETS IF NECESSARY)			



Ground Water Application G-16989 City of Merrill





Proposed Well = KLAM 14959

