

THEORETICAL PUMP FLOW CALCULATIONS

INFANGER MOBILE HOME PUMP

Formula:

$$Q_{cfs} = [(Hp)(8.814)(Eff)] \div [Lift + (psi \times 2.308)]$$

Hp = Horsepower = 1
Eff = Efficiency = 70% (Usually 70%)
Lift: (Static Level + Assumed Draw down)
Static Water Level = 32 ft.
Assumed Draw down = + 0 ft.
Lift = 32

OR

Measured Dynamic Water Level = _____ ft.

psi = Operating Pressure = 40[±] psi

$$Q_{cfs} = \left[\frac{1}{Hp} \times 8.814 \times \frac{70}{Eff} \right] \div \left[\frac{32}{Lift} + \left(\frac{40}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\frac{6.17}{\text{}} \right] \div \left[\frac{124.32}{\text{}} \right]$$

$$Q_{cfs} = \underline{0.05} \text{ cfs} = 22 \text{ GPM}$$

use theoretical until flowmeter is installed

Claim Ray Infanger

Doc Source EWMD

Record # 200541

Date 5/11/01 Sig. Bac

PERMIT NO. _____

11/27/00

Met w/ Ray Infanger
to sort out misunderstand-
ings related to ENMD.
Informed him of options:
dedicated kWh meter,
Q-meter, or amend
claim. He said he
would do one of the
above in the spring.

11/15/00

Talked w/ Ray + Vera.
They believe they are
exempt from measurement
because they are within the
boundaries of the reservation.
I tried to explain to them
that they are not exempt but
they wanted proof.
11/16 sent letter of explanatic
copy of Ron's letter, Idaho code
and QMTR info. Use
theoretical for now until
QMTR is installed.

Claim Ray Infanger
Doc Source ENMD
Record # 200541
Date 5/11/01 Sig. Bac

NAME_1	RAY E INFANGER	ADRES_ID	200
		POD	06S 32E 34 NWNENE
NAME_2	VERA S INFANGER	DIV_RATE	1.06
		UNITS	CFS
ADDRESS_1	RT 1 BOX 174	SURF_FLG	
		CONTACT	
ADDRESS_2		COMMENTS	
CITY	SALMON		
ST	ID		
ZIP	83467	SITE_VISIT	
PHONE	2087563642	EXAMINER	
REGPOD98	1	SITE_TAGNO	
RECNO	200541		
WFINUMBER	A29-04461		

Well 14" diameter pump

Irrigation, Domestic

33 mobile home spaces

57.5 acres

Cliff Harris gets home ~ 5pm 232-0083

2 - 1 hp submersible

Cliff

Rgt Infanger
756-3642

Salmon Idaho

See notes in Leora
Harris file

rockwell
Q 32530 gal
5/8 5-04

Claim Ray Infanger
Doc Source EWMD
Record # 200541
Date 5/11/01 Sig. Bac

WATER MEASUREMENT DISTRICT
FIELD REPORT

DISTRICT Easton RECORD NUMBER 200541

SITE DATA:

EXAMINER (inv_name) L. Rouns

EXAM DATE 05-27-98 DIVERSION NAME mobile home pump
(site_visit) (div_name)

GPS FILE 1052722A SITE TAG NUMBER A0007774
(gps_filnam) (site_tagno)

GPS OFFSET (offset) 32' ESE

TAG LOCATION (tag_locat) outside of building

POD LEGAL (pod) T 6 N (S) R 32 E, Sec 34, NE NW NE

DISTRICT MEASUREMENT CAPABILITY (std_rcmd):

SONIC (s) SONIC/DIG (sd) SONIC @ PVT (sp)

COLLINS (c) PYGMY (p)

MEASUREMENT RECOMMENDATIONS (op_num):

PCC (2) HOUR METER (7) IRR. FLOWMETER (1)

ALTERNATE (3) OTHER FLOWMETER (8) CRP (9)(4)

AMEND CLAIM (A) OPEN CHANNEL DEVICE (8)(9)

SUITABLE FOR PCC even if other method selected (pcc_ok) YES NO

TRACKING will be required (trkng_reqd) YES NO

Well has ACCESS PORT for water level meas. (wl_access) YES NO

FLOWMETER installation poss. w/o major change (qmtr_ez) YES NO

FOLLOW-UP DATE (folup_date) 1999

OWNER/OPERATOR INFORMATION

OWNER (name) Ray E. Infanger PHONE _____

ADDRESS _____ CEL PHONE _____

OPERATOR (contact) Clifford Harris PHONE _____

ADDRESS _____

Claim Ray Infanger

Doc Source EWMD

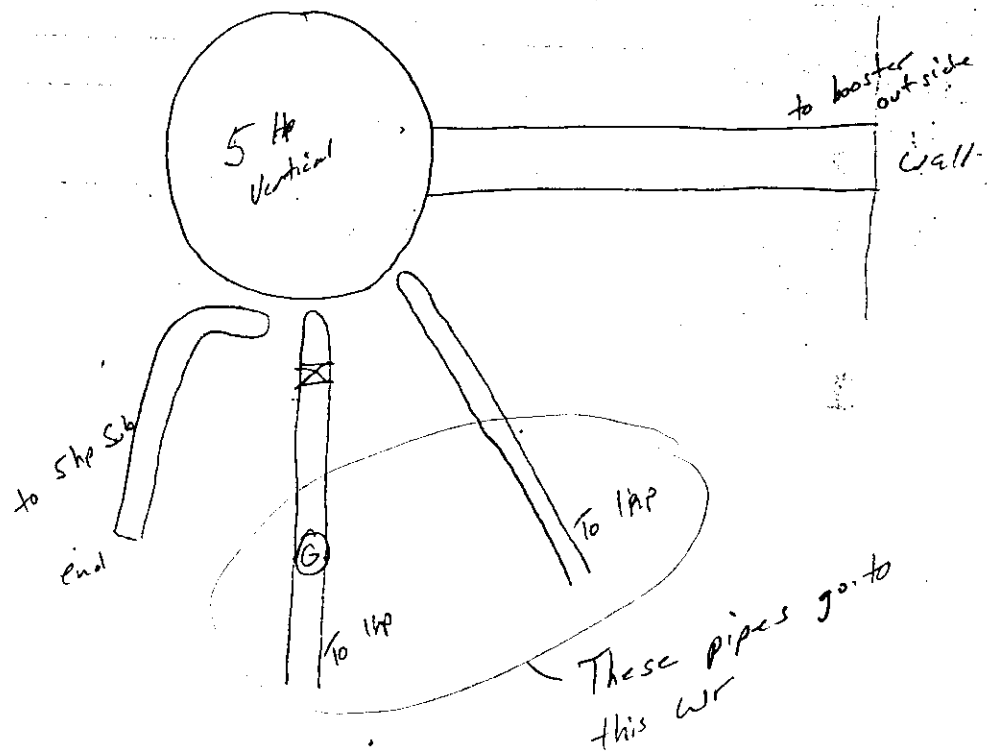
Record # 200541

Date 5/11/01 Sig. Bac

PUMPING PLANT SKETCH

VALVE	=	
CHECK VALVE	=	
AIR VAC	=	
PRESS. RELIEF	=	
INDIVE/UPDIVE	=	
HOSE BIB	=	
PRESS. GAGE	=	
WELL ACCESS	=	

 Claim Ray J. Tarter
 Doc Source FWMD
 Record # 200541
 Date 5/11/01 Sig. RAC



WELL/PUMP INFORMATION:

DEPTH OF WELL: _____ DEPTH OF BOWLS: _____

WATER LEVELS:

PRE-SEASON STATIC: _____ DATE MEAS: _____
(swl_pre) (swlpredate)DURING-SEASON STATIC: _____ DATE MEAS: _____
(swl_mid) (swlmiddate)POST-SEASON STATIC: _____ DATE MEAS: _____
(swl_post) (swlpstdate)DYNAMIC WATER LEVEL: _____ DATE MEAS: _____
(pmpng_wl) (pwl_date)

DOES STATIC WATER LEVEL DROP OR RISE OVER SEASON? YES NO

DOES ANOTHER WELL SPECIFICALLY INTERFERE WITH THIS WELL? YES NO

PUMP AND MOTOR INFORMATION:

WELL MOTOR

MFG: _____ N/A
SERIAL: _____
HP: _____ 1

WELL PUMP

MFG: _____ N/A
SERIAL: _____
TYPE: _____ VERT T CENT SUBMER
(pump_type) (v) (c) (s)

BOOSTER 1 MOTOR

MFG: _____
SERIAL: _____
HP: _____

BOOSTER 1 PUMP

MFG: _____
SERIAL: _____
TYPE: _____ VERT T CENT

BOOSTER 2 MOTOR

MFG: _____
SERIAL: _____
HP: _____

BOOSTER 2 PUMP

MFG: _____
SERIAL: _____
TYPE: _____ VERT T CENT

UTILITY KWH METER INFORMATION:

UTILITY: _____ N/A
(utility)POLE #: _____
(pole_no)

MAX KW DEMAND _____

KILOWATT HRS _____
(kwh_1)

(use date of exam for "kwh1_date")

UTILITY ACCOUNT NUMBER _____
(acct_no)KWH METER SERIAL: _____
(pwrmttr_sn)METER MFG: _____
(pwrmttr_mfg)Kh DISK CONSTANT _____
(kh)MULTIPLIER _____
(disk_mult)

 Claim Ray Infanger
 Doc Source EWMB
 Record # 200541
 Date 5/11/01 Sig. Bac

SYSTEM DESCRIPTION/NARRATIVE COMMENTS:

SYSTEM TYPE Domestic
(system_type)

COMMENTS TO DATA-ENTER (exam_notes):

Same well as record # 200540 and 200539

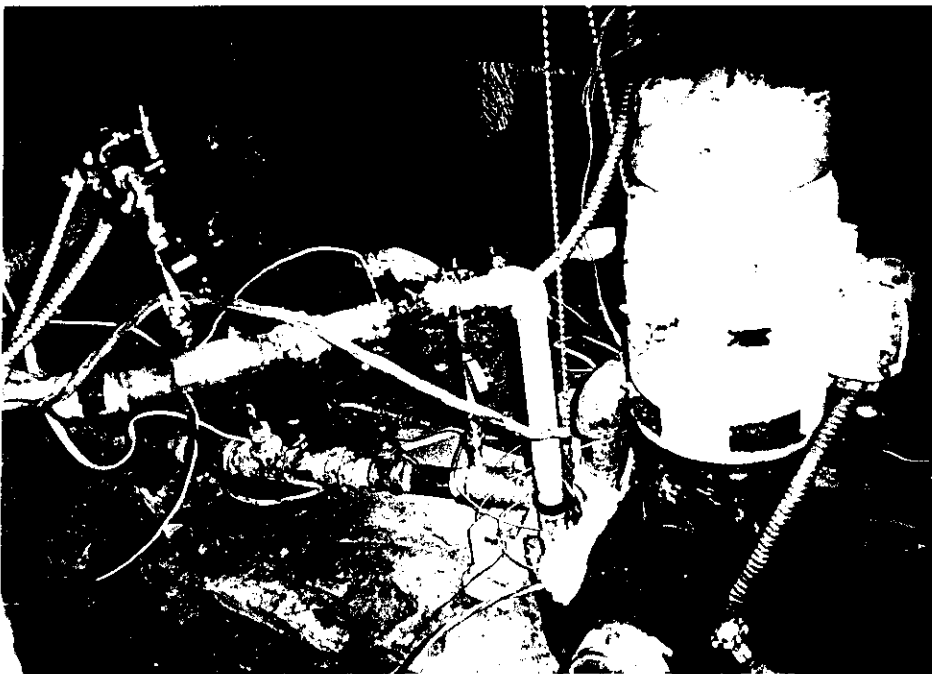
FILE-ONLY COMMENTS:

multiple pumps in one well. supplies water to two
homes and approximately 20 mobile homes.

 Claim Ray Infante
 Doc Source EWMB
Record # 200541
 Date 5/11/01 Sig. BAC

 I certify that the above information is true and correct to the best of my knowledge and ability and the measurements taken and recorded are in accordance with the standards and specifications of the equipment used.

Signature _____ Date _____



 Claim Ray T. Taylor
 Doc Source FW 147
 PC Card # 200591
 Date 5/11/01 Sig. Law

PERMIT
 NUMBER