

06/18/2002

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 37-20732

NAME AND ADDRESS: CAROL MC FARLAND
PO BOX 5178
TWIN FALLS ID 83301

DON MC FARLAND
PO BOX 5178
TWIN FALLS ID 83303

SOURCE: GROUND WATER

TRIBUTARY:

QUANTITY: 0.04 CFS

THE QUANTITY OF WATER UNDER THIS RIGHT SHALL NOT EXCEED 2,500
GALLONS PER DAY.

PRIORITY DATE: 06/03/1975

POINT OF DIVERSION:

T06S R14E S33 SWSWNW Within GOODING County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
DOMESTIC	01/01 12/31	0.040 CFS
DOMESTIC USE IS IN A POTATO CELLAR.		

PLACE OF USE: DOMESTIC Within GOODING County

T06S R14E S33	SWNW	T06S R14E S33	NWSW
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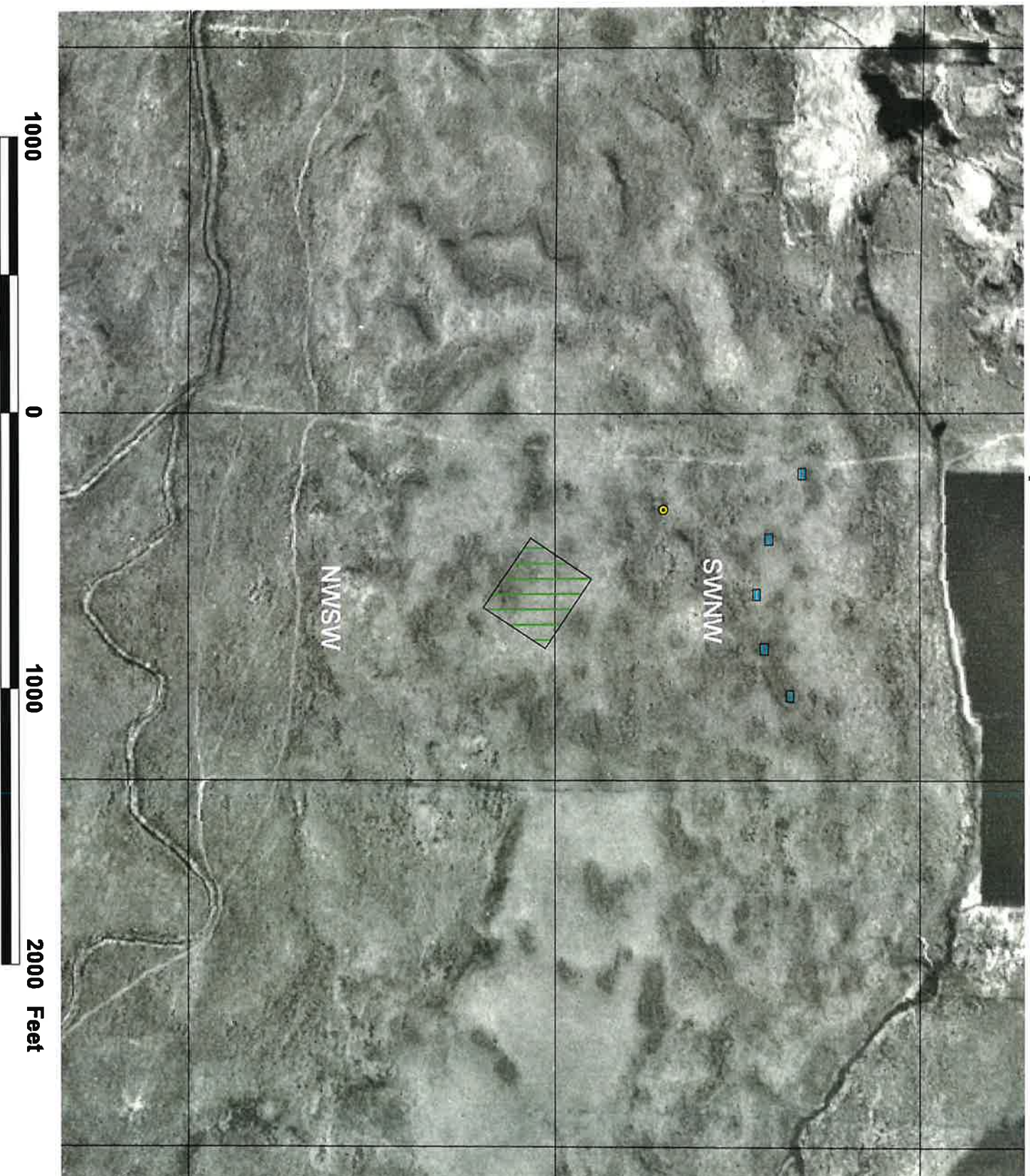
OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS
NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT
ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY
DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE
ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
THE QUANTITY OF WATER DECREED FOR THIS WATER RIGHT IS NOT A
DETERMINATION OF HISTORICAL BENEFICIAL USE.

EXPLANATORY MATERIAL: Beneficial Use

THIS RIGHT IS A SPLIT FROM FORMER RIGHT 37-12906.

37-12906 Split into 37-20731 and 37-20732



T06S R14E
S33
1970



IDAHO DEPARTMENT OF WATER RESOURCES
SOUTHERN REGION
1341 FILLMORE STREET, SUITE 200
TWIN FALLS ID 83301-3380
(208) 736-3033

37-20732
PHILIP E BATT
GOVERNOR
KARL J DREHER
DIRECTOR

October 9, 1997

Don McFarland
Attn: His assistant

Ladies and Gentlemen,

I apologize but I forgot who the person I spoke with earlier today. The woman that I spoke with was working with me on the water rights for Don McFarland in the Gooding area for West East Snake Plain Measurement District (WMD).

As we discussed earlier today on the telephone Mr. McFarland has four wells in the WMD that are required to be measured. However, I performed a theoretical analysis on these wells and discovered that if I have the correct horsepower information on these wells, their capacity is below the WMD requirement of monitoring all wells with a diversion rate of greater than .24 cfs. This means that Mr. McFarland has two options, (1.) He could install meters on all four of these wells and pay the yearly assessment to the WMD of \$ 235.73. (2.) He could come in and amend his claim to .24 cfs or below and be waived from measurement and have this year's assessment refunded to him.

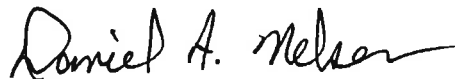
The decision to retain the water rights or to amend the claims is entirely up to you. However, I would like to let you know that these diversion rates are all based off of adjudication claims. Generally, these adjudication claims are recorded way out of proportion in order to guarantee that you will not be short of water after the adjudication process has finished. However, these adjudication are limited to the actual capacity of the pump if you decide to transfer or move the water right. Therefore, it may be in your best interest to amend your claims and forgo the cost of installing flow meters and paying the yearly assessment.

The theoretical calculation I made were calculated using information gathered by Cindy Hodges of the State Office of the Idaho Department of Water Resources (IDWR). I you strongly recommend that you double check with your well installer and make sure that the horsepower used on these theoretical analysis's are correct. The following is the theoretical diversion rates I calculated for the following water rights.:

WATER RIGHT NUMBER	WELL NAME	WATER RIGHT DIVERSION RATE	THEORETICAL DIVERSION RATE
A37-12906	1400 E ROAD	0.44 cfs	0.14 cfs
A37-12910	OLD MALAD HIGHWAY	1.00 cfs	0.03 cfs
A37-12908	SHOESTRING ROAD	0.28 cfs	0.16 cfs
A37-12905	SOUTH 1700 EAST ROAD	0.50 cfs	0.05 cfs

I have also included a profile report for each water right with this fax so you will be better able to identify each water right. You should contact me as soon as possible to let me know if you plan to amend these claims so we can complete the paper work before the first of the year and refund this year's assessment to you. If you have any questions please contact me at the above address or telephone number.

Sincerely,



Daniel A. Nelson
Water Right Agent
Southern Office
Idaho Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
 Water Measurement Program

POWER CONSUMPTION COEFFICIENT WORKSHEET

Date of test _____

Inventory
7-31-97 ylb

Person performing test _____

Name:	McFarland		
Water Right No:	A37-12906		
Legal Description:	T 16S	R 14E	Sec. 33 1/4 SW 1/4 NW 1/4
Site Tag No:	A0006754		
Diversion Name:	1400 E RD		

Current Owner

Name _____ Phone _____

Last, First, MI

Address _____ City _____ State _____ Zip _____

Operator (if leased or operated by someone else)

Name _____ Phone _____

Last, First, MI

SECTION I WELL SITE IDENTIFICATION

Global Positioning System Data:

Data Collection Filename C0731143 Offset 0

IDWR Site Tag Identification No. A0006754

Site Tag location description: 0.14 cfs

PLS/USGS Locator _____

For Department/District Use Only

Received by _____ Date _____

Reviewed by _____ Date _____

Data Entry by _____ Date _____

Est. at 0.14 cfs < 37-20731 0.10 cfs
 37-20732 0.04 cfs

Well Pump and Motor Information

PUMP DATA		MOTOR DATA	
Manufacturer	Franklin	Manufacturer	Franklin
Serial Number		Serial Number	
Model Number		Rated Horsepower	3
Type	Subm. combo	Rated Amps	17
Impeller Diameter		Rated Volts	230
Rated Speed		Rated Speed	3450
Rated Discharge		Phase	1
Rated Head		Service Factor	

Booster Pump and Motor Information

PUMP DATA		MOTOR DATA	
Manufacturer		Manufacturer	
Serial Number		Serial Number	
Model Number		Rated Horsepower	
Type		Rated Amps	
Impeller Diameter		Rated Volts	
Rated Speed		Rated Speed	
Rated Discharge		Phase	
Rated Head		Service Factor	

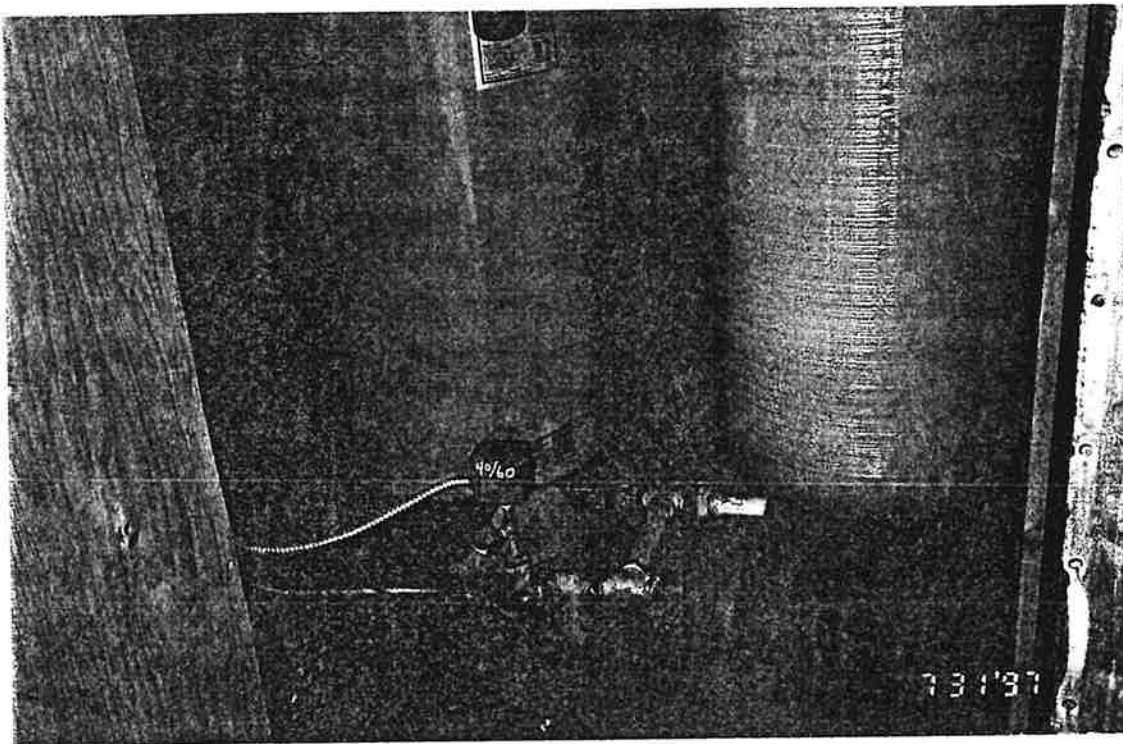
Power and Water Metering Information

KILOWATT HOUR METER		WATER MEASUREMENT METER and MOUNTING PIPE INFORMATION	
Utility	IPC	METER INFORMATION	
Pole No.		Manufacturer	
Meter Manufacturer	W	Model Number	
Meter Serial No.	69827315	Type	
Disc Constant(Kh)	7.2	PIPE INFORMATION	
Rated Voltage	240	Pipe material	
Demand		Outside Diameter	
Multiplier (Mult)		Inside Diameter	
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	Upstream /Down

- Describe system operating conditions and how percentage of seasonal use was obtained:

System pumps to dual pressure tanks (55 PSI) for
dkt. to 5 homes plus potato cellar. Only pump and
sand heater appear to be on meter

Sketch of pumping plant layout or attach photograph of pumping plant and piping: 3



Comments: _____

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 _____
(person performing measurements)

GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

FILE: _____
DATE: _____
BY: _____

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8) (3) (0.70)}{[(109) + (20 \times 2.31)]} = \frac{18.48}{155.2} = .12 \text{ CFS}$$

LIFT FROM:	PSI FROM:	NOTES ON PUMP:
measurement ()	measurement ()	Motor Make, Serial or ID
owner ()	owner ()	
area estimate (X)	estimate (K)	Pump Make, Serial or ID, rating
well logs ()	owner gage ()	
Booster (Y) (N)		

REMARKS The minimum static water level from the well logs for Section 33 is 109 ft. The other static water table from the well logs is 136 ft.

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)	
3/15 - 11/15	246	
4/1 - 11/1	215	POTENTIAL =
4/15 - 10/15	184	
3/1 - 12/1	276	

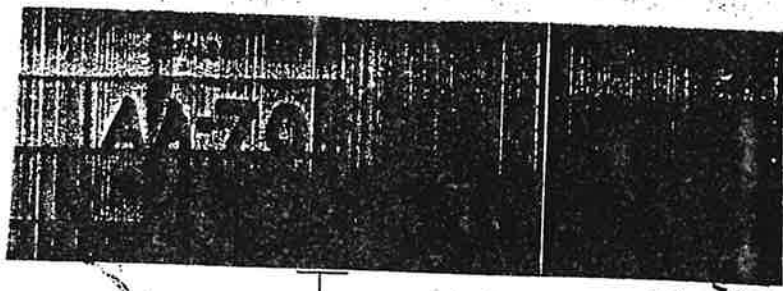
POTENTIAL = _____

REQUIRED Acre Feet/Acre/Annum = _____
(AF/Ann/Ac irrigation requirement from chart for area)
NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY ()

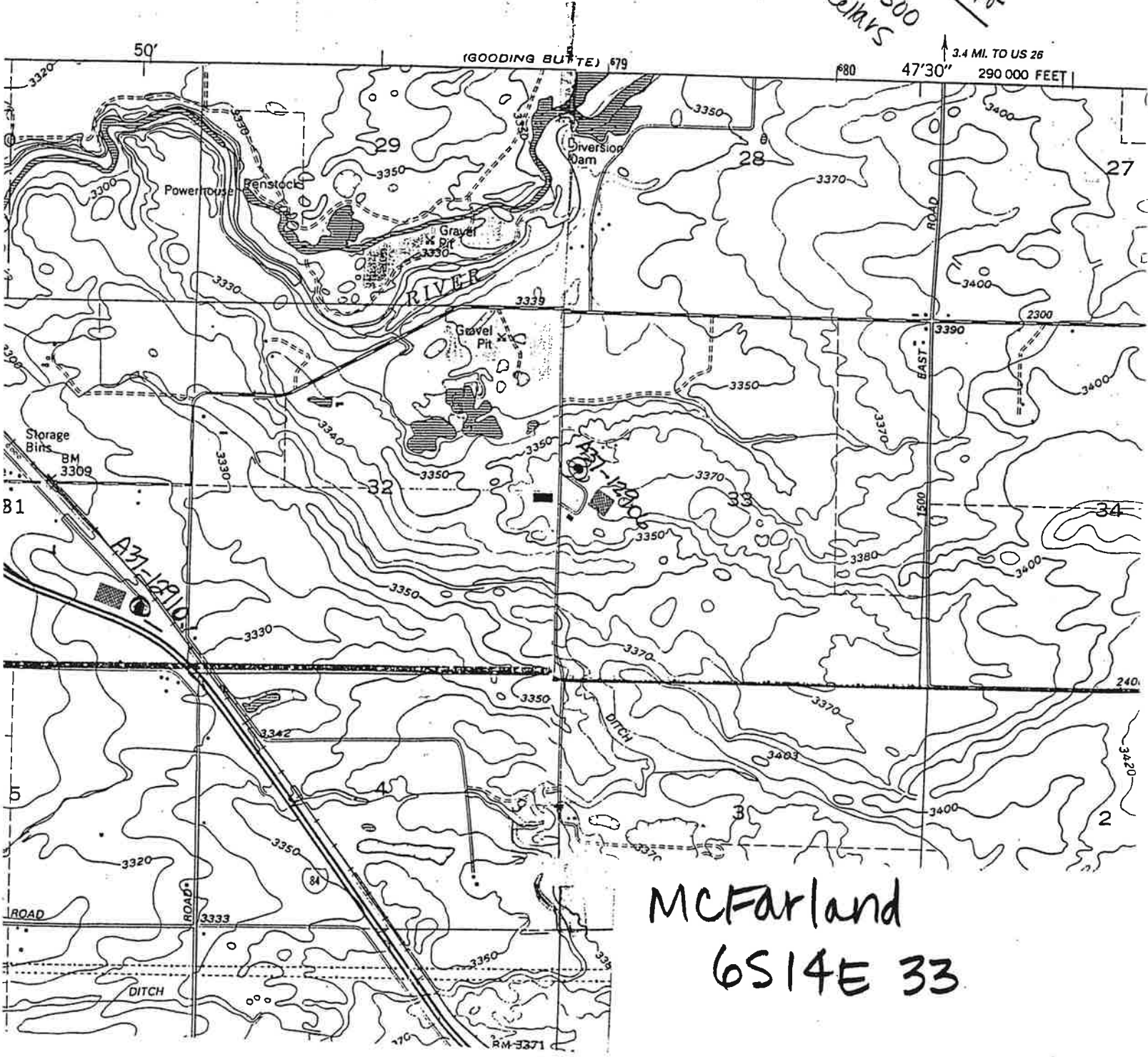
IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY ()

$$\frac{(8.8)(3HP)(.70)}{(109) + (10 \times 2.31)} = \frac{18.48}{132.10} = .14 \text{ CFS}$$



14P-160ft
18,2500
for celars

5245



McFarland
6S14E 33