

Considered: _____

WATER PERMIT NO. 5590-3

Phone: 701-347-4844

Name of Applicant: Steven Kasowski

Post Office Address: PO Box 186, Mapelton ND 58059

Amount of Water Claimed: 3.85 Total Acres: 270

Source of Water Supply: groundwater

Water to be used for: irrigation County: Marshall

About 9N, 6W miles _____ of Britton

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F. & C/.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received: 9-6-91 Fee: \$300 Remarks \$50 of appl

fee being refunded

Corrected Application Received _____ Period of Annual Use April 1 - Oct 1

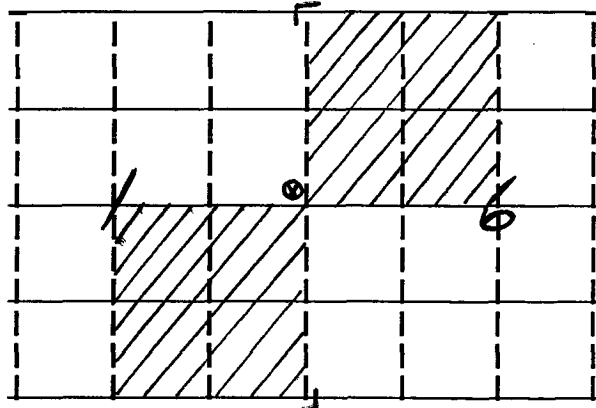
WATER QUALITY APPROVAL RECEIVED 11/12/91 APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point: SE 1/4 NE 1/4 Sec 1-T128N-R59W

Land to be Irrigated: NE 1/4 Sec 6-T128N-R58W

SE 1/4 Sec 1-T128N-R59W



Well Log: Driller: Manikowski Drilling Licensed YES X NO _____

Depth of Well: 180' REMARKS _____

Type of Map: aerial PREPARED BY: Larry Mette, SCS Reviewed and the Number

Assigned on 11-6-91 By Karen Schlaak

Mail to: Water Rights Div.
523 E. Capitol
Pierre, SD 57501
(605) 773-3352

No. 5590-3 Hydrologic Unit 09020105
Basin Minnesota Whetstone
Newspaper Britton Journal, Box 69 57430

(Wed)

Application For Soil/Water Compatibility Permit and Permit To Appropriate Water

Type of application:

- ☒ New ☐ Vested Right ☐ Amend Permit No. _____
☐ Change Acreage ☐ Change diversion point(s) ☐ Add diversion point(s)
☐ Add Acreage ☐ Increase diversion rate ☐ Other _____

1. Name of Applicant Steve Kasowski Phone No. 701-347-4814
Post Office Address P.O. Box 186 Mapleton State N.D. 58059
(Street, RR or Box) (City) Zip Code
2. Amount of water claimed (c.f.s.) 548 Total acres irrigated 405 270 acres
3. Source of Water supply Middle James, Lower James
4. Location of point of diversion Sect #5, 128-58, point of diversion NE 1/4, NE 1/4, Sect #1, 128-59
Sect #6, 128-58, point of diversion NE 1/4, NE 1/4, Sect #1, 128-59
Sect #1, 128-59, point of diversion NE 1/4, NE 1/4, Sect #1, 128-59 County Marshall
one well
5. Counties where water will be used Marshall County
6. Annual period during which water is to be used April 1 to October 1
7. List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.
<u>NE 1/4 Sect #5, 128-58</u>	<u>135</u>
<u>NE 1/4 Sect #6, 128-58</u>	<u>135</u>
<u>SE 1/4 Sect #1, 128-59</u>	<u>135</u>

Land Description	No. Acres Irr.

Attach sheet if more space is needed

8. Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: X Gun: _____ Other: _____ (Specify)
9. Crops to be Irrigated: _____
10. Give a description of proposed project. (Attach sheet if more space is needed)

I would like to install 3 center pivots one on NE 1/4, Sect #5, 128, 58, one pivot on NE 1/4, Sect #6, 128, 58, and one pivot on SE 1/4, Sect #1, 128, 59. I would like to have a well on each quarter to produce 400 gpm. If the water isn't available, then I would like to be able to take water from anywhere on these three quarters and pump it to the other ones.

Attachments: 1 Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soils information and any other technical information.

NORTH
STATE OF ~~SOUTH~~ DAKOTA
County of Cass

I, Steve Kasowski, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.

Signed

Steve Kasowski

Subscribed and sworn to before me this 4th day of September 19 91

LYNN MADSEN
Notary Public, STATE OF NORTH DAKOTA
My Commission Expires APRIL 8, 1992

Lynn Madsen
Notary Public

SOUTH DAKOTA
WATER PERMIT No. 5590-3 FOR IRRIGATION

Date of first receipt of application September 6, 1991.
Date Soil/Water Compatibility Permit received November 12, 1991.
Date of return to applicant for corrections, amendments or changes
September 9, 1991.
Date of receipt of corrected application October 9, 1991.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5590-3 to Steve Kasowski, PO Box 186, Mapleton ND 58059 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 5590-3 appropriates 3.85 cubic feet of water per second from one well (Middle James:Columbia Aquifer) 180 feet deep located in the SE 1/4 NE 1/4 Section 1-T128N-R59W to irrigate 270 acres located in the NE 1/4 Section 6-T128N-R58W and the SE 1/4 Section 1-T128N-R59W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 - October 31.
3. The date from which applicant may claim right is November 12, 1991.
4. The date of approval of Permit No. 5590-3 is March 4, 1992.
5. One-fifth of the construction is to be completed on or before September 4, 1994.
6. All construction is to be completed on or before March 4, 1997.
7. Water is to be put to beneficial use on or before March 4, 2001.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

(continued)

2. The well authorized by Permit No. 5590-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:29.
3. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: _____

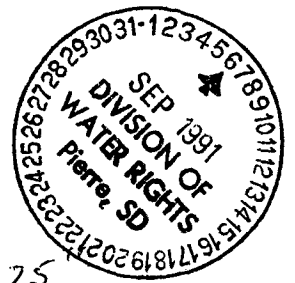
Chief Engineer, Water Rights Division
Department of Environment and Natural Resources

MAR 18 1992

date

Supplemental Information

(type or print in ink)



1. Well Information - Proposed construction

- a) Drill Hole Diameter 17 1/2" Depth Est. 180-190
- b) Casing Type Steel Diameter 12" Thickness .375
- c) Screen Type Stainless Diameter 12" Tele Thickness Standard Const.
- d) Gravel Pack Thickness Est. 3 1/2" Length of Gravel Pack -20' to Screen Bottom
- e) Depth to Top of Water Bearing Material 120 - 160
- f) Depth to Water (ground surface to water level) Est. 6'
- g) Distance to nearest existing domestic well:
 On applicants property Yes, Flowing Artesian On property owned by others 1 1/2 mile South
Sec. 4, 128, 59

2. Dugout Information Estimates

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____
 If Pipe, diameter _____

f) Secondary Spillway Capacity _____
 Spillway width _____

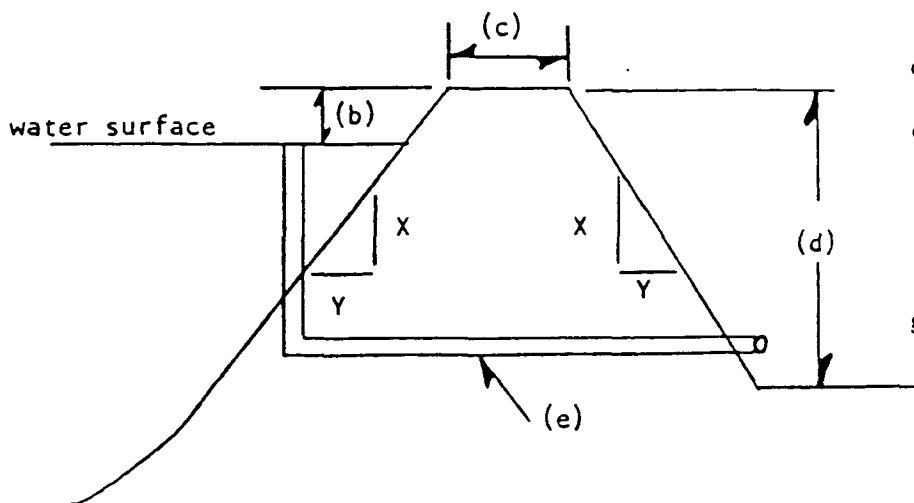
g) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



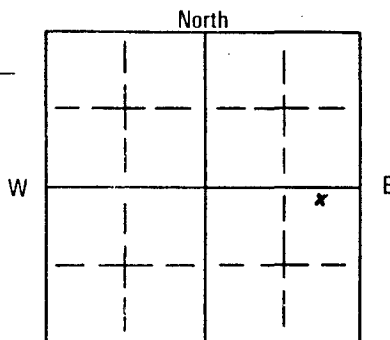
Steve Kram
 Signature of Applicant

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 SE 1/4 Sec 1 Twp 128N Rg 39W

County

MarshallPlease mark well
location with
an "X"Well Completion Date 4-25-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped frombottom to 8' 8'-3' cement
top filled with Native Soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offet

Address _____

Well Log: _____

Depth _____

Formation

From

To

Top Soil	0	4
Yellow Silty Sand	4	6
Redish Sand	6	11
Gray Fine Sand	16	36
Silty Clay	36	60
Blue Soft Clay	60	126
Medium To Fine Sand	126	132
Blue Clay	132	133
Medium To Fine Sand	133	142
Blue Clay	142	144
Medium Sand	144	146
Blue Clay	146	149
Rock S - Boulder	149	150
Blue Clay Till	150	152
<u>Silt</u>	<u>152</u>	<u>170</u>

STATIC WATER LEVEL _____

Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

①This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Mani Kowski Well Drilling

Signature of License Representative:

Byron Mankovich

Signature of Well Owner: _____

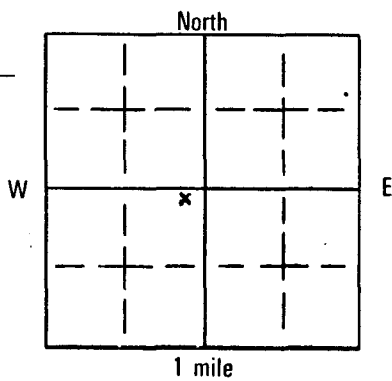
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 SW 1/4 Sec 1 Twp 128N Rg 59WCounty Marshall

Please mark well location with an "X"

Well Completion Date 4-25-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? Bentonite grout

If cement, number of sacks? _____

Describe grouting procedure Bentonite grout pumped from bottom of hole to 8' then cement plug from 8' to 3'. Then back filled with top soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name:

Address:

Well Log:

Formation

Depth

Formation	From	To
Top Soil	0	4
Yellow silty sand	4	6
Reddish sand	6	17
Fine Gray sand	17	28
Fine Gray Silty sand	28	50
Soft Blue clay	50	142
Rock	142	143
Blue clay	143	155
Medium Sand	155	156
Blue clay	156	158
Rock	158	159
Shale	159	170

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

8 East of 7This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

Signature of Well Owner:

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

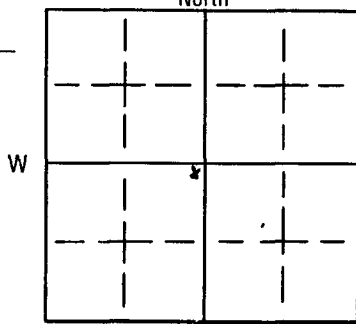
10-85

Location NE 1/4 SW 1/4 Sec 1 Twp 128N Rg 59W

County

Marshall

North



Please mark well location with an "X"

Well Completion Date 4-25-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? Bentonite Grout

If cement, number of sacks? _____

Describe grouting procedure Bentonite grout pumped from bottom of hole up to 8' then cement plug from 8' to 3' then back-filled top soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner: _____

Name _____

Address _____

Well Log: _____

Depth

Formation

From

To

Top Soil	0	3
Yellowish Silty Sand	3	6
Yellow Sand	6	11
Reddish Sand	11	17
Fine Gray Sand	17	28
Silty Clay	28	50
Soft Blue Clay	50	100
Silty Clay	100	146
Medium Sand	146	147
Rock	147	148
Blue Clay	148	149
Gravel	149	151
Blue Clay Till	151	152
Gravel	152	153
Blue clay Till	153	161
Shale	161	170

STATIC WATER LEVEL

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

#9 east of 8

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowskei Well Drilling

Signature of License Representative:

Byron Manikowskei

Signature of Well Owner:

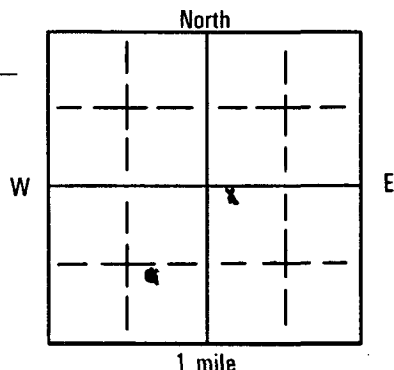
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 SE 1/4 Sec 1 Twp 28N Rg 54WCounty Marshall

Please mark well location with an "X"

Well Completion Date 4-26-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? Bentonite grout

If cement, number of sacks? _____

Describe grouting procedure pump grout from bottom of hole to 8' below ground level
Then placed cement plug from 8' to 5'
back filled with native soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name _____

Address _____

Well Log: _____

Depth

Formation

From

To

Top Soil	0	3
Yellow Silty Sand	3	6
Reddish sand	6	16
Gray Fine Sand	16	36
Silty Clay	36	60
Blue Clay	60	109
Fine to med sand	109	125
Blue Clay	125	133
Very Fine Sand	133	141
Blue Clay	141	144
Rock	144	145
Blue clay till	145	162
Shale	162	170

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

(11) west of #7This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

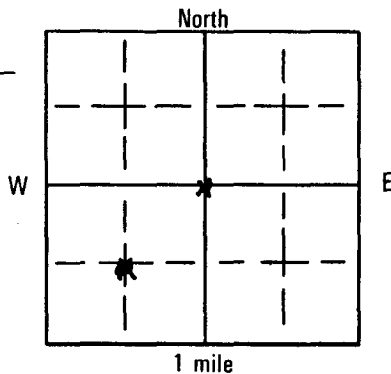
Signature of License Representative:

Signature of Well Owner:

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 SE 1/4 Sec 1 Twp 128N Rg 59WCounty
MarshallPlease mark well
location with
an "X"Well Completion Date 4-26-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☐ YES ☐ NOTo what depth? 185 FEETWhat is grouting material? Bentonite grout

If cement, number of sacks? _____

Describe grouting procedure pump grout from bottom to 8' then put cement plug from 8' - 3' back fill Top Soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name: _____

Address: _____

Well Log: _____

Depth

Formation

From

To

Top Soil	0	3
Yellow silty sand	3	6
Yellow Clay	6	8
Reddish sand	8	18
Gray fine sand	18	34
Silty clay	34	60
Blue Clay	60	92
Gravel	92	94
Blue Clay	94	97
Medium sand	97	98
Soft blue clay	98	102
Clay Blue	102	107
Gravel	107	108
Medium sand	108	111
Blue Clay rim	111	166

STATIC WATER LEVEL

If flowing, closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

(12)

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Mani Kowski Well Drilling

Signature of License Representative:

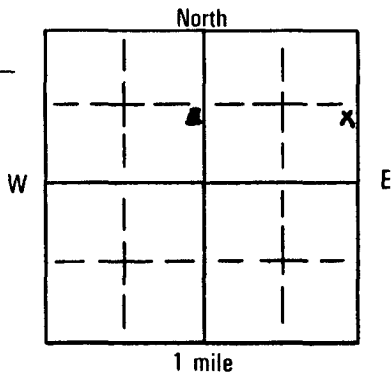
Byron Marshall

Signature of Well Owner:

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 NE 1/4 Sec 1 Twp 128N Rg 57WCounty Mars HillPlease mark well
location with
an "X"Well Completion Date 5-23-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 2 IN Length 5 FEETMaterial PVCSlot Size .035 Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name KBO

Address _____

Well Log: _____

Depth _____

Formation

From

To

Top Soil	0	3
Yellow Clay	3	5
Yellow Silt	5	8
Reddish sand	8	16
Fine to Medium Sand	16	30
Blue clay silt	30	65
Blue Clay with narrow sand strips	65	91
Medium to Coarse sand	91	130
Coarser sand & Gravel	130	140
Fine sand	140	145
Rock	145	146
Blue clay	146	151
Large Rocks	151	

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

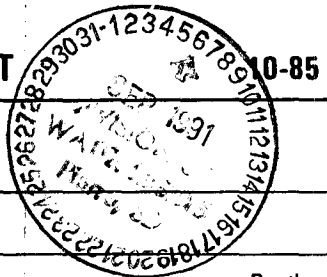
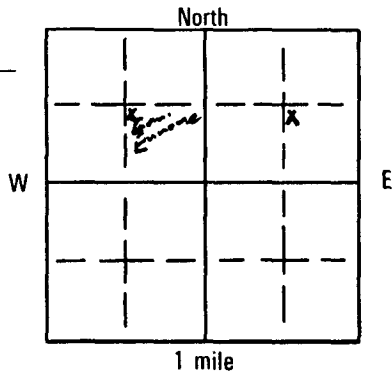
Signature of License Representative:

Byron Manikowski

Signature of Well Owner:

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location SE 1/4 NE 1/4 Sec 1 Twp 125N Rg 59WCounty MarshallPlease mark well
location with
an "X"Well Completion Date 5-23-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from
bottom to 8' 8'-3' cemented
top 3' backfilled

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name KBO

Address _____

Well Log:

Depth

Formation

From

To

Top Soil	0	3
yellow clay	3	5
yellow silt	5	8
Reddish Sand	8	16
Medium Gray Sand	16	26
silty Blue clay	26	100
Soft Blue clay	100	144
Fine Sand	144	149
Muddy sand & Gravel	149	151
Medium Sand	151	154
Blue clay till	154	160
Black shale	160	170

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Marikowski Well Drilling

Signature of License Representative:

Signature of Well Owner:

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

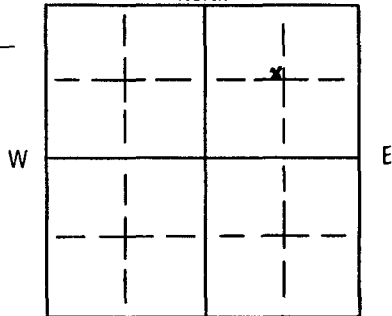
10-85

Location NW 1/4 NE 1/4 Sec 6 Twp 128N Rg 58W

County

Marshall

North



1 mile

Base mark well
location with
an "X"Well Completion Date 5-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom to 8' from 8'-3' Cemented Top 3' back-filled

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

See information _____

Is a packer or seal used? ☐ YES ☐ NO

If what material? _____

Is the packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name KBO

Address _____

Well Log:

Depth

Formation

From

To

Top Soil	0	4
Yellow silty clay	4	9
Reddish sand	9	16
Gray Medium Sand	16	34
Silty Blue clay	34	100
Blue clay	100	140
Fine to Medium sand	140	146
Blue clay	146	150
Medium sand	150	153
Rock	153	155
Blue clay	155	160
Whitish Gray clay	160	170

STATIC WATER LEVEL _____

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

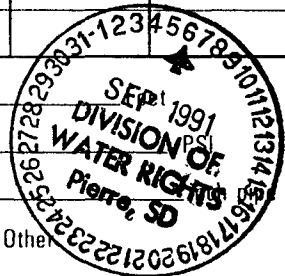
Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

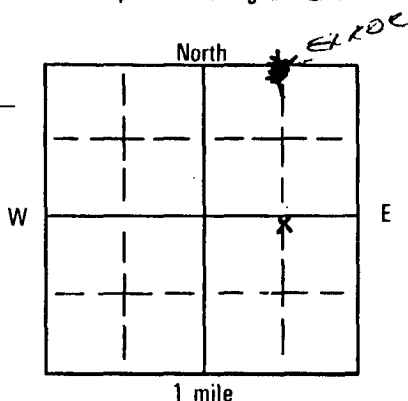
Signature of Well Owner:

Date _____



SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 SE 1/4 Sec 4 Twp 128N Rg 58WCounty MarshallPlease mark well
location with
an "X"Well Completion Date 4-23-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 200 FEETWhat is grouting material? bentonite groutIf cement, number of sacks? grout pumped fromDescribe grouting procedure bottom to 8' thenCement from 8' - 3' Top filled
with Native Soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offut

Address _____

Well Log:

Depth

Formation

From

To

Top Soil	0	4
Yellow silty sand	4	10
Yellow sand	10	18
Fine Gray sand	18	33
fine silty sandy clay	33	112
Gravel med to coarse	112	113
Soft blue clay	113	138
medium sand	138	140
Blue clay till	140	150
Medium to fine sand	150	155
Blue clay till	155	170
Hard light clay	170	200

STATIC WATER LEVEL _____

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

2This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

Bryan Manikowski

Signature of Well Owner:

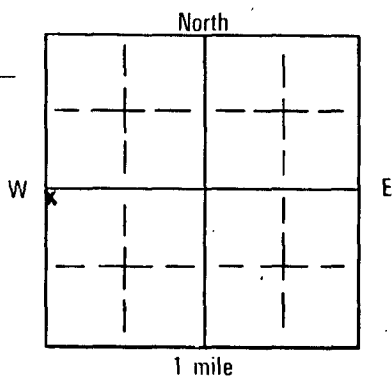
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 SW 1/4 Sec 6 Twp 128N Rg 58WCounty Marshall

Please mark well location with an "X"

Well Completion Date 4-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
____ LB/FT	____ IN	____ FT	____ FT	<u>5</u> IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN
____ LB/FT	____ IN	____ FT	____ FT	____ IN

Is the well grouted? ☒ YES ☐ NO

To what depth? 170 FEETWhat is grouting material? benbrite grout

Cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom of hole to 8' cement from 8'-3' Native Soil on TOP

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offit

Address _____

Well Log:

Depth

Formation

From

To

<u>Top Soil</u>	<u>0</u>	<u>3</u>
<u>Silty Yellow sand</u>	<u>3</u>	<u>12</u>
<u>Reddish sand</u>	<u>12</u>	<u>16</u>
<u>Gray Fine Sand</u>	<u>16</u>	<u>28</u>
<u>Gray silty Fine Sand</u>	<u>28</u>	<u>90</u>
<u>Blue softy Clay</u>	<u>90</u>	<u>142</u>
<u>Medium to Coarse Gravel</u>	<u>142</u>	<u>156</u>
<u>shale</u>	<u>156</u>	<u>170</u>

STATIC WATER LEVEL _____

If flowing: closed in pressure _____

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other: specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

(6)This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Maniowski Well Drilling

Signature of License Representative:

Signature of Well Owner:

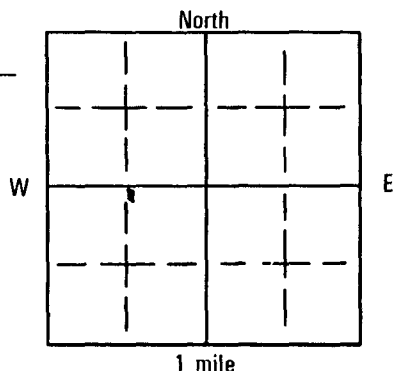
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 SW 1/4 Sec 4 Twp 128N Rg 58WCounty Marshall

Please mark well location with an "X"

Well Completion Date 4-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom to 8' from 8'-3' cement top filled with Native soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Net Size _____ Set From _____ Feet To _____ Feet

Net Size _____ Set From _____ Feet To _____ Feet

Net Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offut

Address _____

Well Log:

Depth

Formation

From

To

Top Soil	0	4
Yellow silty sand	4	10
Reddish Fine sand	10	16
Fine Gray sand	16	36
Gray sand	36	40
Blue clay	40	41
Very fine silty sand	41	55
Silty Blue clay	55	142
Rock	142	143
Blue clay	143	150
Rock	150	151
Blue clay till	151	165
Shale Block	165	170

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

(5)

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

Signature of Well Owner:

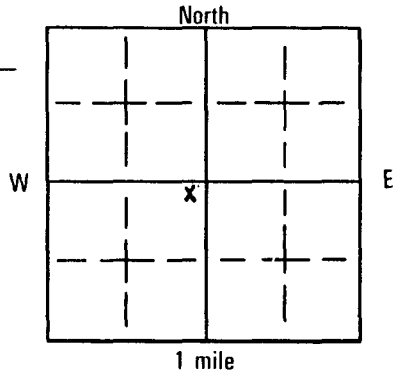
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 SW 1/4 Sec 6 Twp 128N Rg 58WCounty Marshall

Please mark well location with an "X"

Well Completion Date 4-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☐ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? Bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom hole to 8' 8'-3' cement Top filled with native soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

plain _____

Microbiological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offet

Address _____

Well Log:

Depth

Formation

From

To

<u>Top Soil</u>	<u>0</u>	<u>4</u>
<u>Yellow sand Mel.</u>	<u>4</u>	<u>8</u>
<u>Reddish sand</u>	<u>8</u>	<u>16</u>
<u>Blackish Fine sand</u>	<u>16</u>	<u>25</u>
<u>Gray Fine sand</u>	<u>25</u>	<u>42</u>
<u>Soft silty clay</u>	<u>42</u>	<u>95</u>
<u>Blue clay</u>	<u>95</u>	<u>116</u>
<u>Medium to Coarse Gravel</u>	<u>116</u>	<u>117</u>
<u>Blue clay</u>	<u>117</u>	<u>158</u>
<u>Medium to Coarse Sand</u>	<u>158</u>	<u>162</u>
<u>Shale</u>	<u>162</u>	<u>170</u>

STATIC WATER LEVEL _____

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

(4)This well was drilled under license # 285

And this report is true and accurate.

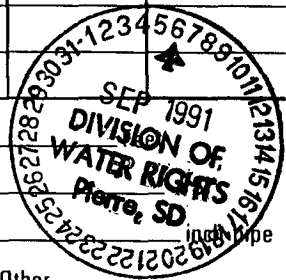
Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

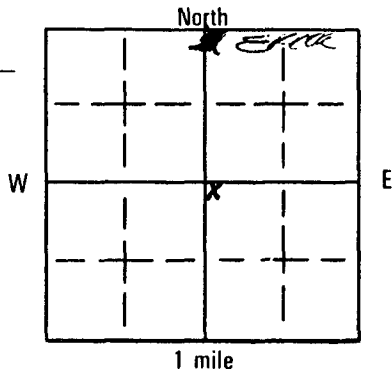
Signature of Well Owner:

Date _____



SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 SE 1/4 Sec 10 Twp 128N Rg 58WCounty MarshallPlease mark well
location with
an "X"Well Completion Date 4-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 185 FEETWhat is grouting material? bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom to 8' then cement from 8' - 3' Top backfilled with Native Soil

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offut

Address _____

Well Log:

Depth

Formation

From

To

Top Soil	0	3
Yellow silty sand	3	10
Reddish sand	10	15
Fine silty sand	15	48
Silty clay	48	140
Rock	140	141
Fine to Medium sand	141	147
Blue clay	147	148
Medium sand	148	150
Blue clay till	150	165
Shale	165	185

STATIC WATER LEVEL

If flowing: closed in pressure _____

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

3This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

Signature of Well Owner:

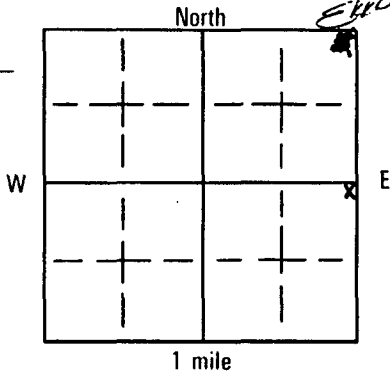
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 SE 1/4 Sec 6 Twp 128N Rg 58W

County

MarshallPlease mark well
location with
an "X"Well Completion Date 4-23-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 200 FEETWhat is grouting material? bentonite groutIf cement, number of sacks? grout pumped fromDescribe grouting procedure bottom of hole to 8'
Cement from 8'-3 Top Filled
with Native Soil

What was grout weight? _____ LB/GAL

SCREEN ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name

Offut

Address _____

Well Log:

Depth

Formation

From

To

Top Soil04Yellow silty sand418Gray Fine Sand1833very fine silty sand33100Till clay100110Fine sand110114Blue clay114143Gravel medium143145Blue clay145147Gravel med to heavy147150Till clay150175Shale175200

STATIC WATER LEVEL _____

Feet

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm

Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

Signature of Well Owner:

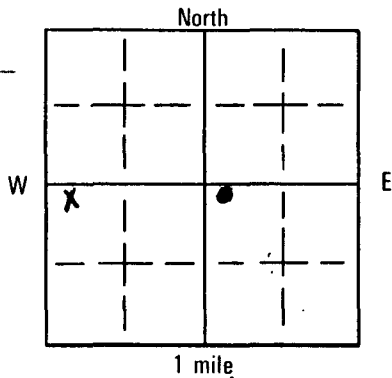
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 SW 1/4 Sec 6 Twp 42N Rg 58WCounty Manitowish

Please mark well location with an "X"

Well Completion Date 4-25-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? Bentonite grout pumpedIf cement, number of sacks? from bottom of holeDescribe grouting procedure TO 8' below surfaceThen put a cement Plug from 8' TO 3' below backfilled withWhat was grout weight? Native Soil LB/GALSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Is a packer or seal used? ☐ YES ☐ NO

What material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Offut

Address _____

Well Log:

Depth

Formation

From

To

<u>Top Soil</u>	<u>0</u>	<u>3</u>
<u>silty yellow sand</u>	<u>3</u>	<u>12</u>
<u>pebbly sand</u>	<u>12</u>	<u>16</u>
<u>Gray fine sand</u>	<u>16</u>	<u>28</u>
<u>very fine sand with clay</u>	<u>28</u>	<u>50</u>
<u>silty clay</u>	<u>50</u>	<u>115</u>
<u>Fine sand</u>	<u>115</u>	<u>128</u>
<u>Medium sand to Med Gravel</u>	<u>128</u>	<u>138</u>
<u>Fine sand</u>	<u>138</u>	<u>143</u>
<u>Med sand to Med Gravel</u>	<u>143</u>	<u>150</u>
<u>Blue clay</u>	<u>150</u>	<u>162</u>
<u>shale</u>	<u>162</u>	<u>170</u>

STATIC WATER LEVEL _____

Feet

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

#10

East of #6

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

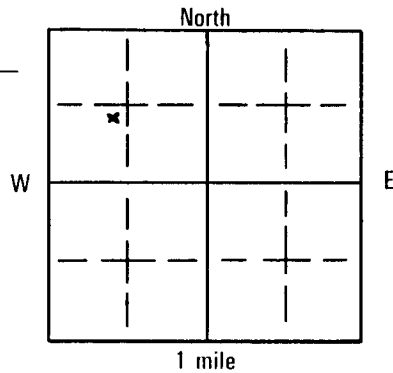
Byron Manikowski

Signature of Well Owner:

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SW 1/4 NW 1/4 Sec 6 Twp 128N Rg 58WCounty MaushallPlease mark well
location with
an "X"Well Completion Date 5-23-91

PROPOSED USE:

☒ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling

Forward Rotary

Casing Data:

☒ Steel ☐ Plastic ☐ Other

Further describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? bentonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom to 8' 8'-3' cemented Top 3' backfilled

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name KBO

Address _____

Well Log:

Depth

Formation

From

To

<u>Top soil</u>	<u>0</u>	<u>4</u>
<u>Yellow clay</u>	<u>4</u>	<u>8</u>
<u>Yellow silt</u>	<u>8</u>	<u>11</u>
<u>Reddish sand</u>	<u>11</u>	<u>16</u>
<u>Gray medium sand</u>	<u>16</u>	<u>31</u>
<u>Silty Blue clay</u>	<u>100</u>	<u>144</u>
<u>Gravel & rocks</u>	<u>144</u>	<u>146</u>
<u>Blue clay</u>	<u>146</u>	<u>151</u>
<u>Fine sand</u>	<u>151</u>	<u>159</u>
<u>Blue clay</u>	<u>159</u>	<u>162</u>
<u>Black shale</u>	<u>162</u>	<u>170</u>

STATIC WATER LEVEL _____

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped _____☐ Bailed _____

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

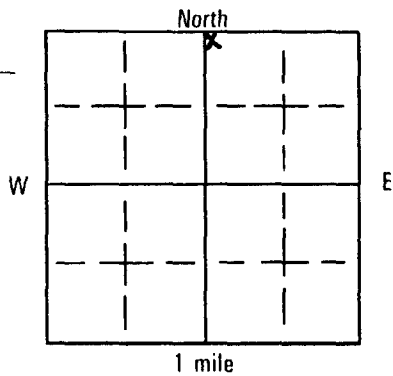
Signature of Well Owner:

Date _____



SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NW 1/4 NE 1/4 Sec 6 Twp 128 N Rg 58 WCounty MarshallPlease mark well
location with
an "X"Well Completion Date 5-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT

Is the well grouted? ☒ YES ☐ NOTo what depth? 170 FEETWhat is grouting material? bentonite grout

Cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom to 8' from 8'-3' Cemented top 3' back filled

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name KBO

Address _____

Well Log:

Depth

Formation

From

To

<u>Top Soil</u>	<u>0</u>	<u>4</u>
<u>yellow silty clay</u>	<u>4</u>	<u>8</u>
<u>Reddish Sand</u>	<u>8</u>	<u>16</u>
<u>Gray Fine To Medium Sand</u>	<u>16</u>	<u>45</u>
<u>Blue silt</u>	<u>45</u>	<u>89</u>
<u>Rocks</u>	<u>89</u>	<u>90</u>
<u>Blue Clay</u>	<u>90</u>	<u>123</u>
<u>Medium to Coarse Sand</u>	<u>123</u>	<u>126</u>
<u>Soft Blue Clay</u>	<u>126</u>	<u>145</u>
<u>Rock</u>	<u>145</u>	<u>146</u>
<u>Blue Clay</u>	<u>146</u>	<u>157</u>
<u>Hard Blue Clay</u>	<u>157</u>	<u>163</u>
<u>Whitish Gray Clay</u>	<u>163</u>	<u>170</u>

STATIC WATER LEVEL _____

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

Drilling firm Manikowski Well Drilling

Signature of License Representative:

Byron Manikowski

Signature of Well Owner:

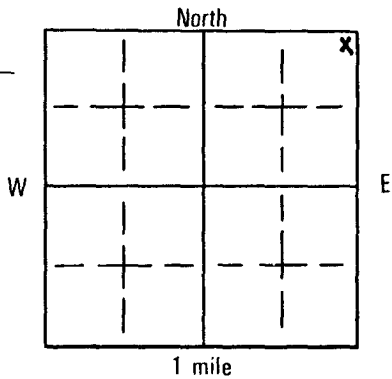
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location NE 1/4 NE 1/4 Sec 6 Twp 128N Rg 58W

County Marshall

Please mark well location with an "X"



Well Completion Date 5-24-91

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? 175 FEET

What is grouting material? benonite grout

If cement, number of sacks? _____

Describe grouting procedure grout pumped from bottom to 8' from 8'-3' cemented top 3' back filled

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Set From _____ Feet To _____ Feet

Set From _____ Feet To _____ Feet

Set From _____ Feet To _____ Feet

For information _____

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name KBO

Address _____

Well Log: _____

Formation

From

To

Top Soil	0	4
yellowish silty clay	4	9
Reddish Brown sand	9	17
Medium To Fine Gray Sand	17	37
Blue silt with sand strips	37	107
Blue Clay	107	144
Rock	144	145
Hard Blue Clay	145	149
soft Blue Clay	149	153
Medium sand	153	155
Blue clay till	155	168
Whitish Gray Clay	168	175

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped

☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 285

And this report is true and accurate.

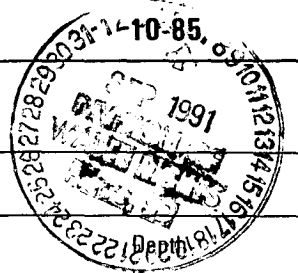
Drilling firm Manikowski Well Drilling

Signature of License Representative: _____

Byron Manikowski

Signature of Well Owner: _____

Date _____



RECEIPT
Division of Water Rights
South Dakota Department of Water and Natural Resources

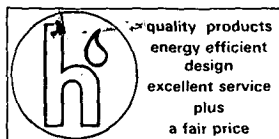
Pierre, September 26, 1991

RECEIVED OF K B & O Farm Addount, Box 370, Casselton, ND 58012

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>5590-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	350	00
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	350 00

By John Hatcher
Chief Engineer



hoffman irrigation, inc.

industrial park - box 209
oakes, north dakota 58474

Business: 742-2219

Home Phone: 742-3540

9-30-91

Karen:

The water for Section 6, 128, 58,
will come from the well in Section #1,
128, 59.

Bob Hoffman



Marshall County South Dakota

NOT TO SCALE



134.7
T616

31R-M4

T616

HEL

NC

Proposed Center Pivot Irrigation
Larry D. Matto
SCS Box 8
Britton, S.D.

T616

T616

NC

NC

T616
1844 1971

128-58

~~Farm Credit~~
~~Bank of Omaha~~
Steve Kacowski

153.3
T630

31R-M4

153.2
T630

HEL

HEL

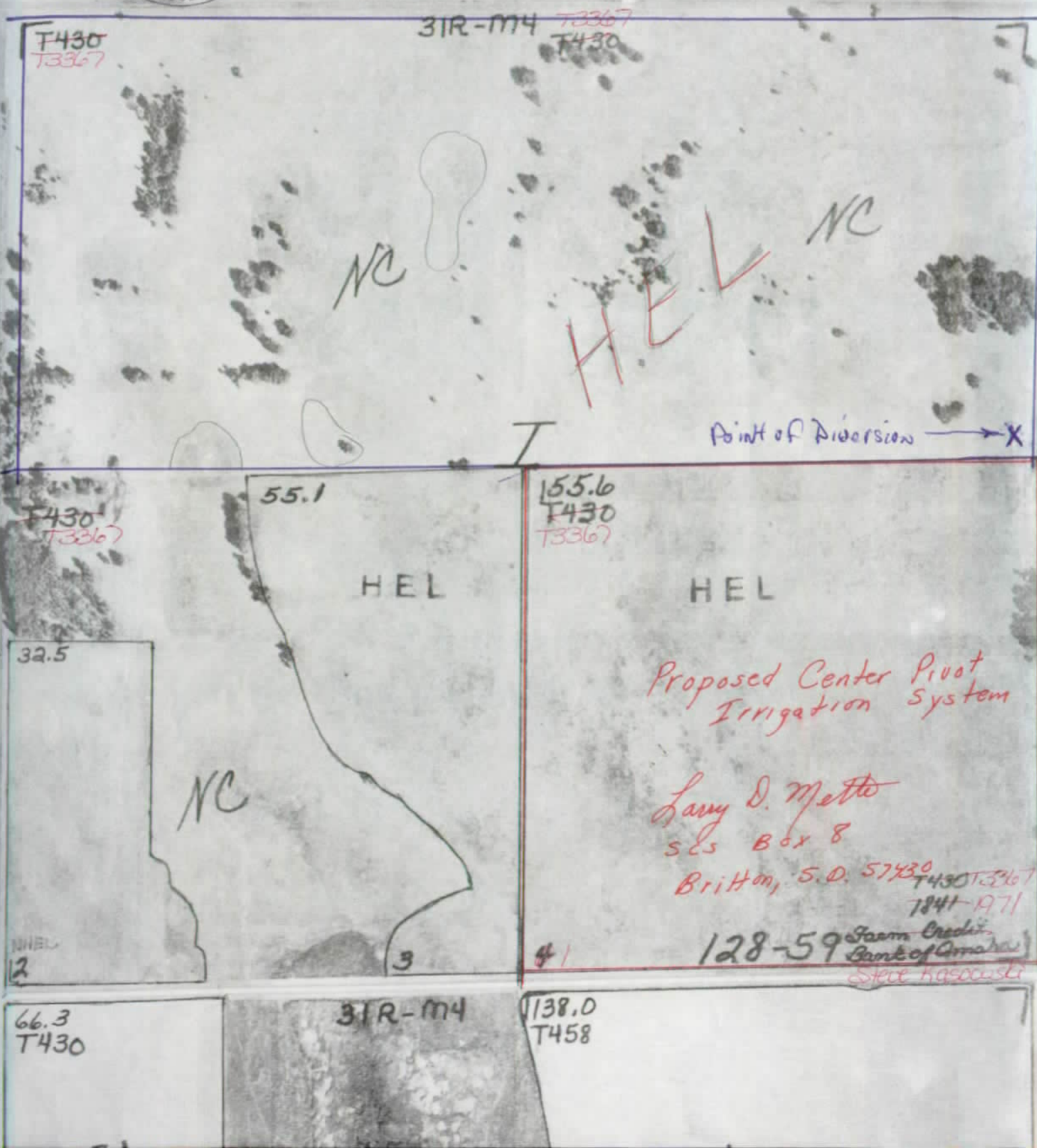


Marshall County
South Dakota

NOT

TO SCALE

SE-1-128-59



Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation

Office Use Only

4659

WR#

OWNERS NAME: KASOWSKI, STEVE OWNERS ADDRESS: PO BOX 186
HAPELTON, ND 58059

COUNTY LAND LOCATED IN: MARSHALL PHONE: (701)347-4844

LEGAL DESCRIPTION:

☒ Well☐ Surface

1. LOCATION Sec. 6-T128N-R58W, point of diversion NE $\frac{1}{4}$ NE $\frac{1}{4}$ 1-T128N-R59W

Depth Sec. 1-T128N-R59W, point of diversion NE $\frac{1}{4}$ NE $\frac{1}{4}$ 1-T128N-R59W

Legal Description	Acres	Legal Description	Acres
NE $\frac{1}{4}$ 6-T128N-R58W	135		
SE $\frac{1}{4}$ 1-T128N-R59W	135		

2. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: XXX GUN: _____ OTHER: (Specify) _____

3. CROPS TO BE IRRIGATED: _____

WATER QUALITY:	
4. WATER SAMPLE NUMBER: <u>91-0393</u>	7. ADJUSTED (SAR): <u>3.49</u>
5. SALINITY (EC X 10 ⁶): <u>650</u>	8. PERCENT SODIUM: <u>28.07</u>
6. SODIUM (SAR): <u>1.44</u>	

Requirements:

The soils of Hamar and Ulen are subject to fluctuating water tables, which may remain perched under irrigation. This may be addressed through proper water management, but may on the long-term require artificial drainage. Artificial drainage shall be provided, as deemed necessary; i.e., tile drains.



XXX APPROVED
____ DISAPPROVED
____ WAIVER

XXX REQUIREMENTS

Director, Division of Conservation

NOVEMBER 7, 1991

Date

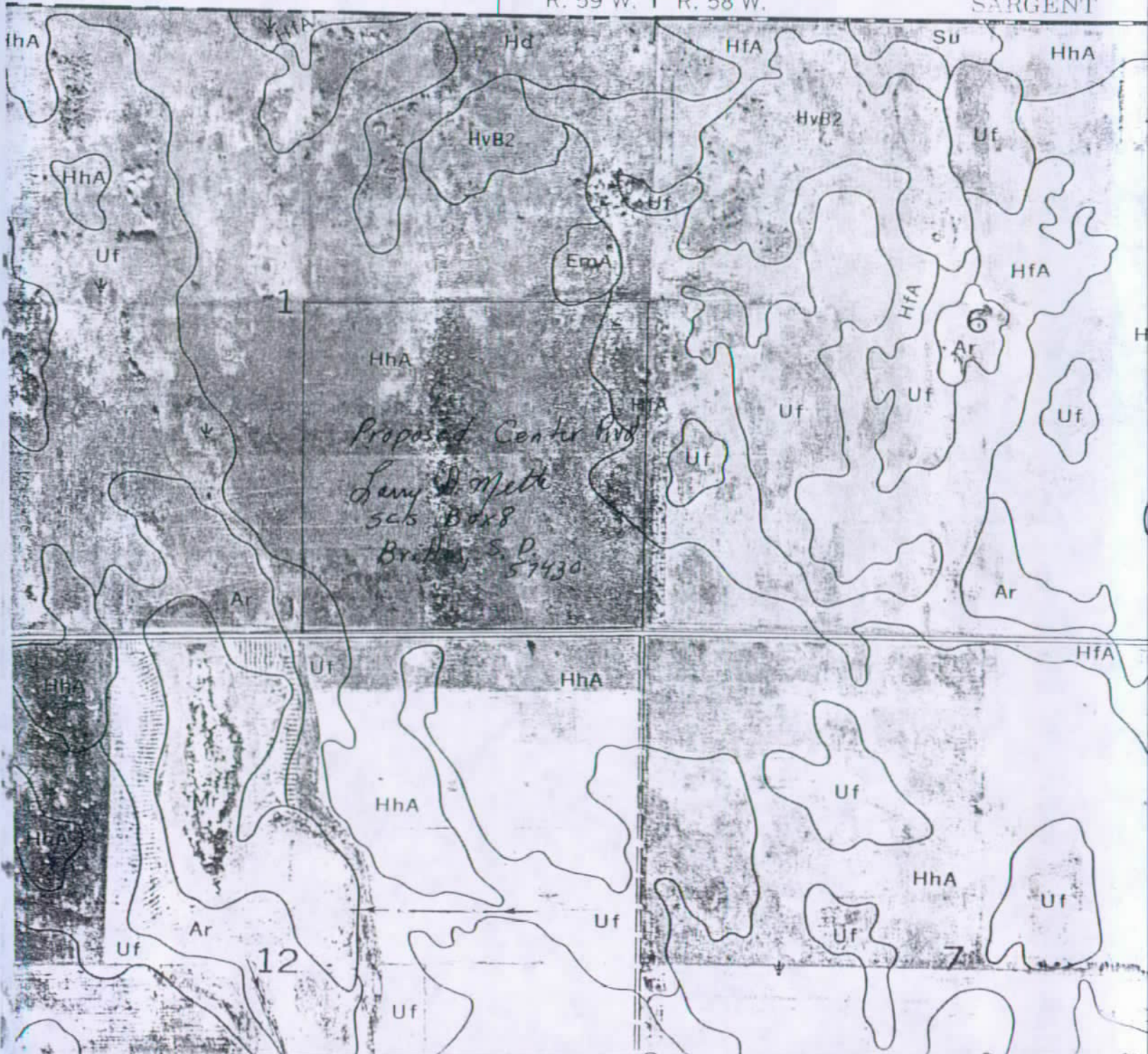
Soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.



MARSHALL COUNTY, SOUTH
Dakota

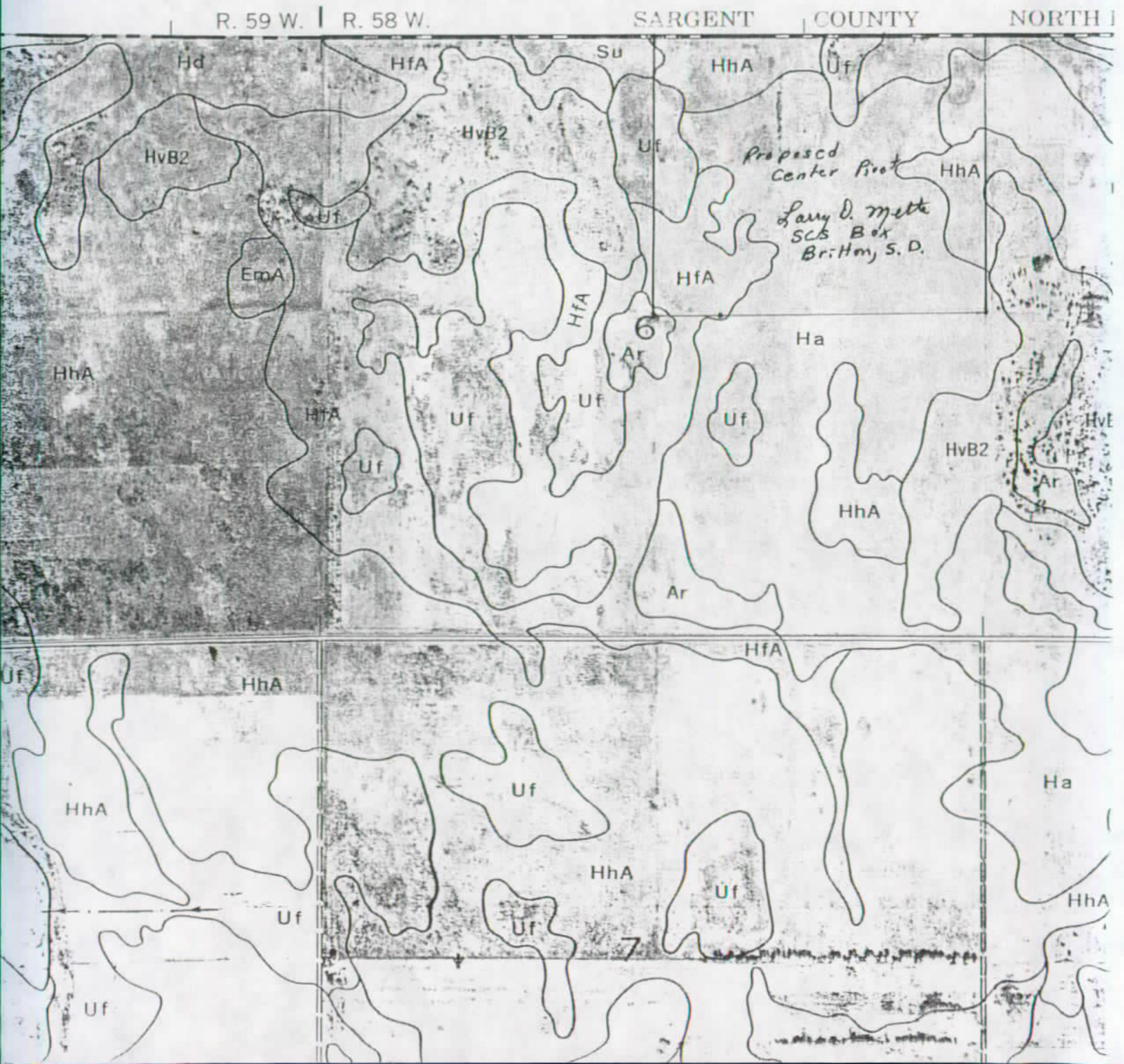
R. 59 W. | R. 58 W.

SARGENT





MARSHALL COUNTY, SOUTH DAKOTA — SHEET





John Hatch, Chief Engineer:

Aug. 12, 1991

Division of Water Rights

Dept. of The Environment and Nat. Res.

Joe Ross Bldg. 523 East Capitol Ave.

Pierre, So. Dak. 57501

Dear Sir:

RE: Marshall County So.Dak.

Sec: 1-128-59

6-128-59

The above lands have been test drilled by Manokowski Drilling of Genesee, N.Dak. Lic. No. 285.

The test results indicate that adequate ground water resources are available for irrigation of the above described lands. The lack of ground water appopriation in this area make further testing necessary.

It is our proposal and request to install three to five 12" test wells at various locations on these lands to ascertain volume and long term pumping data. These wells would be installed pursuant to Sec. 74: 02: 04: 21. of the S.Dak. standards and be designated as test wells. Each well would be completed and test data interpitied prior to installaion of succeeding wells. All test data will be forwarded to the state of So.Dak. for evaluation.

Should testing indicate inadequate resources, the wells will be pulled and bore hole sealed as per So.Dak. code. If test data indicates adequate resources, the application process now in progress would be completed. The wells would than be considered permanent installations and would be grouted and completed as per So.Dak. code.

Sincerely Yours,

Steve Kasowski

Steve Kasowski

K. B. O. Farms

Box 370

Casselton, N.Dak. 58012



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

GREAT FACES. GREAT PLACES.

August 16, 1991

Steve Kasowski
K. B. O. Farms
Box 370
Casselton, ND 5812

Dear Mr. Kasowski:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, K. B. O. Farms is authorized to construct three to five test wells prior to approval of a water permit. The test wells must be constructed in accordance with the SD Well Construction Standards. Any test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

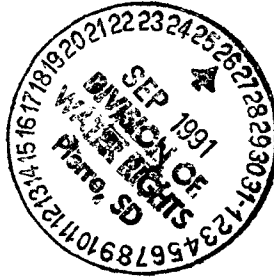
Very truly yours,

JAMES A. GOODMAN, P.E.
Natural Resources Engineer
for JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352



GREAT FACES. GREAT PLACES.

September 9, 1991



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

605-773-3352

Steve Kasowski
PO Box 186
Mapelton ND 58059

Dear Mr. Kasowski:

In regard to your water permit application received on September 6, 1991, the following needs to be submitted and clarified in order to process your application.

1. On Item No. 4 of the application, please indicate the quarter-quarter section where each well will be located.
2. Enclosed is your check for \$400. The filing fee for irrigation of 405 acres is \$350.
3. On Item No. 2 you indicated the amount of water claimed to be 6 cfs. Under State Statutes you are allowed 1 cubic feet of water per second (cfs) for each 70 acres irrigated. This would mean that you are allowed 5.78 cfs (2601 gallons per minute) for the 405 acres to be irrigated. Please let us know if you concur with this change.

The water permit application can not be considered until the application is complete and a soil/water permit is obtained from the Department of Agriculture. Upon receipt of the above, further processing of your application will continue.

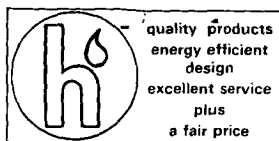
If you have any questions, please contact this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure



hoffman irrigation, inc.

industrial park - box 209
oakes, north dakota 58474

⁷⁰¹
Business: 742-2219

Home Phone: 742-3540

September 23, 1991

Karen Schlaak, Analyst
Department of Water and Natural Resources
Joe Foss Building
Pierre, South Dakota 57501-3181

Dear Karen:

Enclosed please find a copy of your letter of September 9, 1991 and my corrected application for water rights in South Dakota. I have enclosed a new check for \$350. The flow rate of 5.78 cfs is ok.

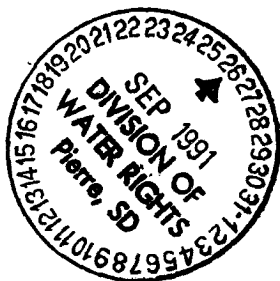
Please note that the point of diversion for the N.E. 1/4, Sect. 5, 128, 58 will be in the N.W. 1/4 of the N.E. 1/4, Section # 5.

The N.E. 1/4, Sect 6, 128, 58 and the S.E. 1/4 Sect. 1, 128, 59, will both have the N.E. 1/4 of the N.E. 1/4, Sect. 1, 128, 59 as a point of diversion

If you have any further questions, please give me a call at 701-742-3370 or contact Bob Hoffman, Hoffman Irrigation at 701-742-2219. Thanks.

Sincerely,

Steve Kasowski



South Dakota



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

GREAT FACES. GREAT PLACES.

September 26, 1991

Bob Hoffman
Hoffman Irrigation, Inc.
Box 209
Oakes ND 58474

Dear Mr. Hoffman:

We received the corrected application for Steve Kasowski listing the locations of each of the points of diversion. Enclosed are the aerial photos submitted with the application. The well locations need to be indicated with an "X" on each map. I apologize for not having returned the maps with my September 9 letter.

The water permit application has been forwarded to be the Department of Agriculture in order for them to start processing the soil/water permit.

If you have any questions, please contact this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosures

cc: Steve Kasowski

Karen:

I have marked the maps where the point of diversion will be except on section #6. The water for here will come from section #1, 128, 59 as marked.

Bob Hoffman

9/30/91

File No.

Water Rights Division -DWNR
Conversation or File Documentation

NAME OF PERSON OR FILE: Bob Hoffman, Hoffman Irrigation

ADDRESS: COUNTY:

DATE: 10-9-91 TELEPHONE: 701-742-2219

RE: Pending Application for Steve Kasowski

COMMENTS:

Called Mr. Hoffman concerning the actual location of the well that will be irrigating the lands in Section 1 and 6. The point of diversion as marked on the aerial photo is the SE 1/4 NE 1/4 Section 1-T128N-R59W. The application states the well will be located in the NE 1/4 NE 1/4. Mr. Hoffman stated the location of the well that will irrigate Section 1 and 6 is the SE 1/4 NE 1/4 as shown on the aerial photo.

Karen Schlaak

Karen Schlaak
Natural Resources Analyst

Water Rights Division - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Steve Kasowski

ADDRESS: P.O. Box 186, Mapleton, ND 58059 COUNTY: Marshall

DATE: 11/6/91 TELEPHONE: 701 347-4844

RE: Water Permit Application

COMMENTS:

Due to the fact that the land in Section 5, T128N, R58W of Mr. Kasowski's application need to have a management plan prepared prior to obtaining a S/W Compatibility Permit, Mr. Kasowski requested that I delete that portion of his application so that the application process can continue on the lands proposed to be irrigated in the NE1/4 Section 6, T128N, R58W and the SE1/4 Section 1, T128N, R59W.

Mr. Kasowski requested that I amend his application as follows:

Amount of Water Claimed - 3.85 cfs

Total acres irrigated - 270 acres

Location of Point of Diversion - one well SE1/4 NE1/4 Section 1, T128N, R59W

With this information Mr. Kasowski will get a refund of \$50 to this application.

After the Management Plan is prepared Mr. Kasowski plans to submit a new application for the NE1/4 Section 5, T128N, R58W. I filled out the forms for this application so that when he gets a suitable plan together he may submit this application.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Eric Handberg

Water Rights Division - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Steve Kasowski

ADDRESS: PO Box 186

COUNTY: Marshall

DATE: 11/20/91

TELEPHONE: 701 347-4844

RE: Conversation with Jim Stukel on SW Permit

COMMENTS:

Jim Stukel contact me to discuss the discrepancy on the point of diversion for Mr. Kasowski's application. The SW Permit states the NE1/4 NE1/4 Section 1, T128N, R59W while the application had somewhere in the process been amended to be the SE1/4 NE1/4 Section 1, T128N, R59W. Jim Stukel stated that since the locations on the SW Permit and Water Permit Application are less than 2000 feet apart, no change is necessary and the SW Compatibility Permit would be valid.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME:

Eric S. Stukel

South Dakota



GREAT FACES. GREAT PLACES.

December 2, 1991

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING

523 EAST CAPITOL

PIERRE SOUTH DAKOTA 57501-3181

Steve Kasowski
PO Box 186
Mapelton ND 58059-0186

Dear Mr. Kasowski:

Enclosed is a check for \$50.00. This is a partial refund of the water permit application fee. You have indicated you would like your application reduced from 405 acres to 270 acres. We are processing the application for 270 acres.

If you have any questions, please contact this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure

PAYMENT REQUEST FORM

PAYEE: Steve Kasowski
P.O. Box 186
Mapleton, ND 58059

FROM: DENR
Water Rights Division
532 E. Capitol
Pierre, SD 57501-3181

DESCRIPTION OF SERVICE, PRODUCT OR TRANSFER

Reimbursement of portion of application fee.

AMOUNT: \$50.00

FUNDING SOURCE:

GENERAL:

FEDERAL:

COMMENTS :

AUTHORIZATION:

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted program

M & W DRILLING
Joe Wucetich
Industrial Park
Oakes, ND 58474
742-2429

SHEET 1

STATEMENT

PHONE

DATE

JOB NAME/LOCATION

TO

JOB DESCRIPTION:

TEST Pump DATA. Well 127-59-1 (Add)

GREEN - 120-140

STATIC - 15' 1 (1' RISE)

RATE 1,110 GPM

START 11:00 A.

P-LEVEL (10-15-91)

11:03 A.

49.875

11:05 A.

49.825

11:07 A.

50.50

11:10 A.

51.475

11:12 A.

52.20

11:15 A.

52.775

11:30 A.

54.875

11:45 A.

56.40

12:00 P

57.625

12:15 P

58.50

12:30 P

59.475

12:45 P

60.175

1:00 P

60.60

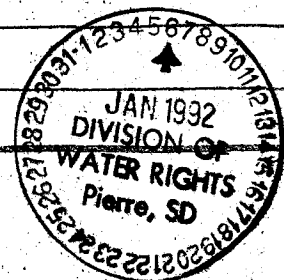
5:00 P

67.050

5:15 P

67.350

Next Sheet II



JOB COST

BY

M & W DRILLING
Joe Wucetich
Industrial Park
Oakes, ND 58474
742-2429

Sheet A

STATEMENT

PHONE

DATE

JOB NAME/LOCATION

TO _____

JOB DESCRIPTION:

Test - Cont 128-59-1 (AOK)

10-16-91

9:30 A. 77.150

9:45 A. 77.20

10:33 A. 77.425

10:48 A. 77.50

2:50 P. 77.90

*Eubine Shut Down Sometime
between 2:50 P. & 4:00 P. 10-16*

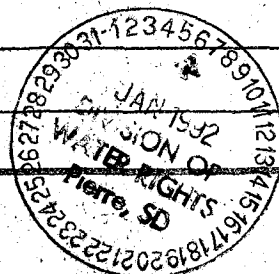
Static Level

4:00 P. 10-16

32.60

10:17 A. 10-17

23.350



JOB COST _____

BY _____

M & W DRILLING
Joe Wucetich
Industrial Park
Oakes, ND 58474
742-2429

Sheet IV

STATEMENT

PHONE

DATE

JOB NAME/LOCATION

TO _____

JOB DESCRIPTION:

Wells monitored during Pump Test

128-59-1 (add)

10-15-91

OBS. Well 34-124-57 (M.D.)

10-15-91 STATIC 2430

350 P. Level 2425

10-16-91

10:13 A. 24100

ILL Well - 128-58-5 (5A/B)

10-15-91 10:15 A. STATIC 2225

" " " 3857 P. 21.95

10-16-91 10:06 A. 21.40

S.D. OBS. Well ML - 7 PM - EST. 900 MDT
OF WELL BEING TESTED - 128-59-1 ADD

10:15 10:33 A. STATIC 1570

11:20 A. 16.85

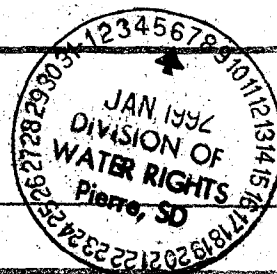
11:35 A. 17.950

11:52 A. 19.00

Cont Sheet IV

JOB COST _____

BY _____



M & W DRILLING
Joe Wucetich
Industrial Park
Oakes, ND 58474
742-2429

Sheet 10

STATEMENT

PHONE

DATE

JOB NAME/LOCATION

TO _____

JOB DESCRIPTION: S.D. OBS Well ML-70m Cont.

1207 P.M. 10-15

19° 85

12° 21

20° 525

12° 36

21° 250

12° 50

21° 825

4° 43

28° 30

5° 21

29° 025

10-16-91

9° 25

39° 50

9° 50

40° 10

10° 53

40° 575

After Shutdown

10-16-91

4° 08 P.M.

Level

33° 675

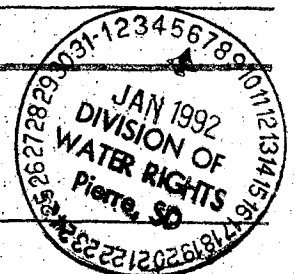
10-17-91

10° 26 A.

24° 875

JOB COST _____

BY _____



M & W DRILLING
Joe Wucetich
Industrial Park
Oakes, ND 58474
742-2429

STATEMENT

PHONE

DATE

JOB NAME/LOCATION

TO _____

JOB DESCRIPTION: TEST Pump DATA - Well - SECTION 5-128-52

(5 ABS) SCREEN SECTION 178-198 - 5.5" STEEL 12"

Pipe size 60 5/8" - GRAVEL PACKED.

STATIC FROM 1" RISEL = 18.3 (TENTHS)

Commence pumping @ 5:15 Pm 10-10-91

RATE 1050 G.P.M

Time

Water Level

Time P. LEVEL

11:01

46.5

5:20 P 75.1

11:04

43.9

5:25 P 77.7

11:06

42.8

5:30 P 78.6

11:08

42.1

5:35 P 79.45

11:10

41.6

10-11-91

11:15

40.5

9:30 A. 91.125

11:20

39.675

11:05 A. 92.675

11:30

38.625

4:03 P 93.950

11:45

37.50

10-12-91

10-15-91 4:17 A.

24.30

9:30 A. 92.425

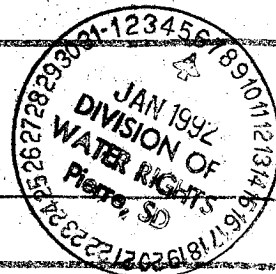
11:00 A. 99.10

SHUT DOWN 11 AM - 10-12-91

Recovery - Next Column

JOB COST

BY



M & W DRILLING
Joe Wucetich
Industrial Park
Oakes, ND 58474
742-2429

STATEMENT

PHONE

DATE

JOB NAME/LOCATION

TO _____

JOB DESCRIPTION: WELLS MONITORED DURING PUMP TEST OF

Well 128-58-5 (5 ABB)

TR. TEST Well 128-59-1 (POLL) SCREEN 120-140'

10-10-91 -

3:50 P.M. - STATIC 13.6 (FROM 1' GREL)

10:36 A. 10-11-91 Level 13.7

10:32 A. 10-12-91 " 14.175

SHUT DOWN 11:00 A. 10-12-91

10:10 A. (10-14-91) 14.6 (RECOVERY)

O.B. Well 129-57-34 (AAA)

10-10 STATIC 22.250

10:56 A. 10-11 22.350

10:52 A. 10-12 23.205

10:55 A. 10-14 24.325 (RECOVERY)

O.B. Well 129-57-14 (CCC)

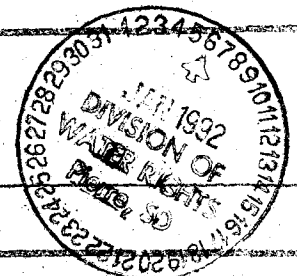
Static 4:25 P. 29.850

10:07 A. 10-11 29.825

10:04 A. 10-12 29.80

JOB COST _____

BY _____



RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5590-3, Steven Kasowski

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 5590-3, Steven Kasowski, PO Box 186, Mapleton, ND 58059.

The Chief Engineer is recommending APPROVAL of Application No. 5590-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 5590-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:29.
3. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.


JOHN HATCH, Chief Engineer
January 7, 1992

WATER PERMIT APPLICATION No.5590-3
STEVEN KASOWSKI
JANUARY 6, 1992

Water Permit Application No. 5590-3 proposes to appropriate 3.85 cubic feet of water per second from one well 180 feet deep located in the SE 1/4 NE 1/4 Sec. 1, T128N-R59W to irrigate 270 acres located in the NE 1/4 Sec.6, T128N-R58W and the SE 1/4 Sec.1, T128N-R59W.

AQUIFER: Middle James: Columbia

AQUIFER CHARACTERISTICS:

The Middle James Aquifer extends from southeastern Dickey and southwestern Sargent Counties in North Dakota, where it is considered equivalent to the Englevale/Spiritwood Aquifer systems (Schaver, Personal conversation 1991); to northeastern Brown and northwestern Marshall Counties in South Dakota. The aquifer is composed primarily of sorted and stratified gravel, sand, and silt that was deposited in two stages on an undulating surface. During the early stage, the aquifer materials were deposited as valley fill. Subsequent fluvial deltaic deposition overlies the valley fill.

The Columbia Management Unit of the Middle James Aquifer extends from the North Dakota - South Dakota border, to just north of Aberdeen, SD where a constriction of the aquifer forms a hydrologic boundary between the Columbia and Aberdeen Management Units of the aquifer. The total areal extent of the Columbia Management Unit is estimated to be 434,700 acres and the management unit is estimated to contain 1,732,000 acre-feet of recoverable water in storage (Hedges, 1982).

The Columbia Management Unit underlies approximately 95,400 acres of Marshall County and contains an estimated 715,500 acre-feet of recoverable water in storage in the county (Hedges, 1982). The estimate of recoverable water in storage was based on the assumption that the specific yield of the aquifer is 0.15; therefore, the average saturated thickness of the Columbia Management unit in Marshall County is estimated to be approximately 50 feet. The thickness of the aquifer varies considerably within short distances due to buried channels, (both deltaic and valley fill). The aquifer is under confined conditions with the water level ranging from less than 30 feet to over 150 feet below ground surface.

The Division of Water Rights monitors 16 observation wells in Marshall County, and 10 observation wells in Brown County, which are completed into the Columbia Management Unit of the Middle James Aquifer. Observation well ML-70M is located approximately 1/2 mile north of this proposed well site. Hydrographs for the Marshall County observation wells and Brown County observation well BN-77R, which is approximately 7 miles east of the diversion point proposed by this application, are included with this report (figures 1-17). The hydrographs show the water level of the aquifer responds readily to recharge and pumping. The maximum annual water level fluctuation (highest water level occurring in a year minus the lowest water level

occurring in that year), of most observation wells is approximately 8-12 feet, although the water level in Observation Well ML-77I varies nearly 30 feet annually. The period of record identifies total water level variations, (the maximum water level measured in a well minus the minimum water level measured in that well) of 9-35 feet. The lowest water levels were generally in 1988 or 1982. The record low water levels appear to be associated with lack of recharge (see figure 18), and above normal pumpage. Measurements taken from Division of Water Rights Observation Wells indicate that long-term water level declines have not occurred in the Columbia Management Unit (Water Rights Division, 1991).

DISCUSSION:

SDCL 46-2A-9 requires that a permit to appropriate water may only be issued if there is reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. It is beyond the scope of this report to discuss the beneficial use and public interest of the development proposed by this application.

WATER AVAILABILITY:

The availability of unappropriated water can be evaluated in part by considering SDCL 46-6-3.1, which requires that an application to appropriate groundwater can not be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of average estimated annual recharge.

Recharge:

Recharge to the Columbia Management Unit of the Middle James aquifer occurs primarily through subsurface inflow from Brown County and by downward movement of precipitation through overlying lake plain sediments and possibly through till. Permeable sediments overlie portions of the aquifer in North Dakota, and in R58W and R59W in Marshall Co. These are potential recharge areas. Near the ND line the aquifer may be in contact with the Niobrara Formation and may be recharged or discharged. "Calculated recharge rates... leads to the conclusion that for management and development programs the minimum recharge rate to confined aquifers is estimated to be 0.15 inches per year and the maximum rate is 0.60 inches per year" (Hedges, 1983). Therefore recharge to the Middle James Columbia is estimated to be:

	RECHARGE IN ACRE-FEET/YEAR	
	Marshall Co.	Brown Co.
Minimum	1,193	2,756
Maximum	4,770	11,025

Withdrawal:

Withdrawals from the aquifer occur through subsurface outflows and pumpage. The majority of water use from the aquifer is for appropriative uses.

Appropriations:

There are 10 water permits/rights appropriating water from the Columbia Management Unit of the Middle James aquifer from Marshall County, and 18 water permits/rights appropriating water from Brown County. Appropriative rights from the management unit represent a total diversion rate of 47.23 cubic feet of water per second (cfs). In Brown County, 16 permits/rights authorize irrigation of 2660.3 acres, and 2 permits/rights appropriate 0.40 cfs for municipal use by the City of Hecla.

In Marshall County 7 permits/rights authorize irrigation of 1542 acres, a water right appropriates 1.12 cfs for the City of Britton, a water permit appropriates 1.00 cfs to Brown-Day-Marshall RWS, and one permit appropriates 0.33 cfs for Domestic use by Sunset Colony. Permits/rights authorize the irrigation of a total of 4,202 acres from the management unit.

SDCL 46-5-6 allows up to 2.0 acre-feet per acre (ac-ft/ac), (3.0 ac-ft/ac prior to July 1, 1978) to be applied each irrigation season. The annual irrigation appropriation from the management unit could be up to 11,691.6 ac-ft/yr, (4,412 ac-ft/yr in Marshall Co. and 7279.6 ac-ft/yr in Brown Co.). Use of this amount of water each year is unlikely. Maximum reported irrigation use since 1979 was 3121.3 ac-ft in 1988. Reported pumpage from the Columbia Management Unit of the Middle James Aquifer is illustrated in figure 19.

As long as water levels return to basically the same level each year, taking into account moisture conditions, an aquifer is not being depleted. Observation wells will be used to determine if water levels are returning to normal after each pumping season. State law does not permit groundwater supplies to be depleted on a continuous basis.

Hydrographs of Division of Water Right's Observation Wells do not show long term declines of water levels in the aquifer which would be indicative of aquifer discharge exceeding aquifer recharge.

AFFECTS ON EXISTING RIGHTS:

Hydrographs of Division of Water Right's Observation Wells completed into the Columbia Management Unit of the Middle James Aquifer show the water level of the aquifer readily responds to recharge and pumping. Seasonal fluctuations of 10 feet per year are not uncommon and annual fluctuations of as much as 30 feet per year have been recorded in one observation well. Existing wells within the cone of influence of the diversion proposed by this application may experience depressed water levels during the irrigation season. Several applications proposing appropriation from the Columbia Management Unit were deferred in the

late 1970's and early 1980's because it was not known at the time if there would be interference with existing water rights. Records indicate that "Several domestic well owners near existing irrigation wells were reported as having to lower their pump intake during 1976." (Water Rights, 1977).

Spacing between irrigation wells could become a factor at a later date, but spacing of existing and proposed irrigation wells appears to be satisfactory. The nearest existing high capacity well to this proposed diversion is irrigation permit No. 2921-3 which is located approximately 4.5 miles away. The proximity of this permit to existing irrigation permits can be seen on figure 20. ~~cancelled~~

SDCL 46-6-6.1 allows the Water Management Board to control the location and capacity of large capacity wells to protect water for reasonable domestic use, without the necessity of requiring maintenance of artesian head pressure in a domestic use well. In Fraser v. Water Rights Commission of Dept. of Natural Resources Development (1980), the Supreme Court ruled that the Water Management Board must balance the interests between irrigation and delivery of water by artesian pressure for domestic use.

An adequate well into the Columbia Management Unit is a well in which the pump intake can be placed at least 20 feet into the aquifer providing the aquifer is thick enough.

The cumulative affect of additional water use from the aquifer will result in the loss of additional artesian head during the irrigation season. It is unlikely that this additional loss of head pressure will be significant.

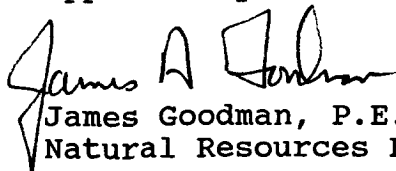
CONCLUSIONS:

1. Water Permit Application No. 5590-3 proposes to appropriate 270 ac-ft/yr with a diversion rate of 3.85 cfs from the Columbia Management Unit of the Middle James Aquifer.
2. There is a reasonable probability that unappropriated water is available for this appropriation.
3. There is a reasonable probability this appropriation will not adversely affect existing rights.



Ken Buhler
Natural Resources Engineer

Approved by



James Goodman, P.E.
Natural Resources Engineer

REFERENCES:

Division of Water Rights, 1977, "Report for Deferred Applications Nos. 2920-3, 2921-3, 3012-3 and 3335-3", DWNR-Water Rights Division, Joe Foss Building, Pierre, SD

Division of Water Rights, 1991, "Observation Well Files", SD DENR-Division of Water Rights, Joe Foss Building, Pierre, SD, 57501

Division of Water Rights, 1991, "Water Permit Files", SD DENR-Division of Water Rights, Joe Foss Building, Pierre, SD, 57501

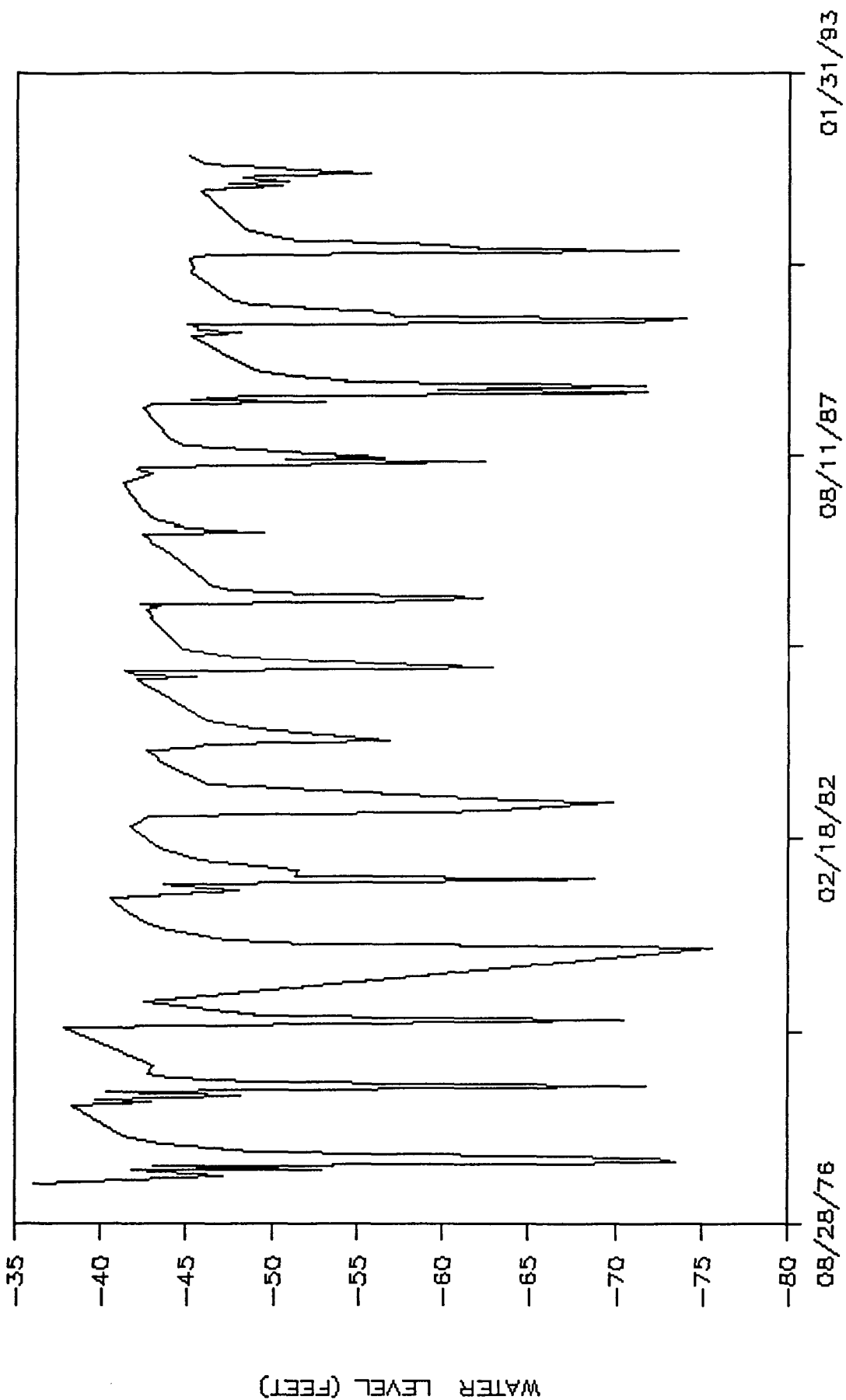
Hedges, L.S., S. Burch, D. Iles, R. Barari, R. Schoon, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, U.S. Army Corps of Engineers Contract DACW 45-80-C-0185, SD Department of Water and natural Resources, Office of Geological Survey, Vermillion, SD 57069

Hedges, L.S., S. Burch, D. Iles, 1983, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge, U.S. Army Corps of Engineers Contract DACW 45-80-C-0185, SD Department of Water and natural Resources, Office of Geological Survey, Vermillion, SD 57069

Koch, N.C., 1975, Geology and Water Resources of Marshall County, South Dakota, Bulletin 23, SD Department of Natural Resource Development, South Dakota Geological Survey

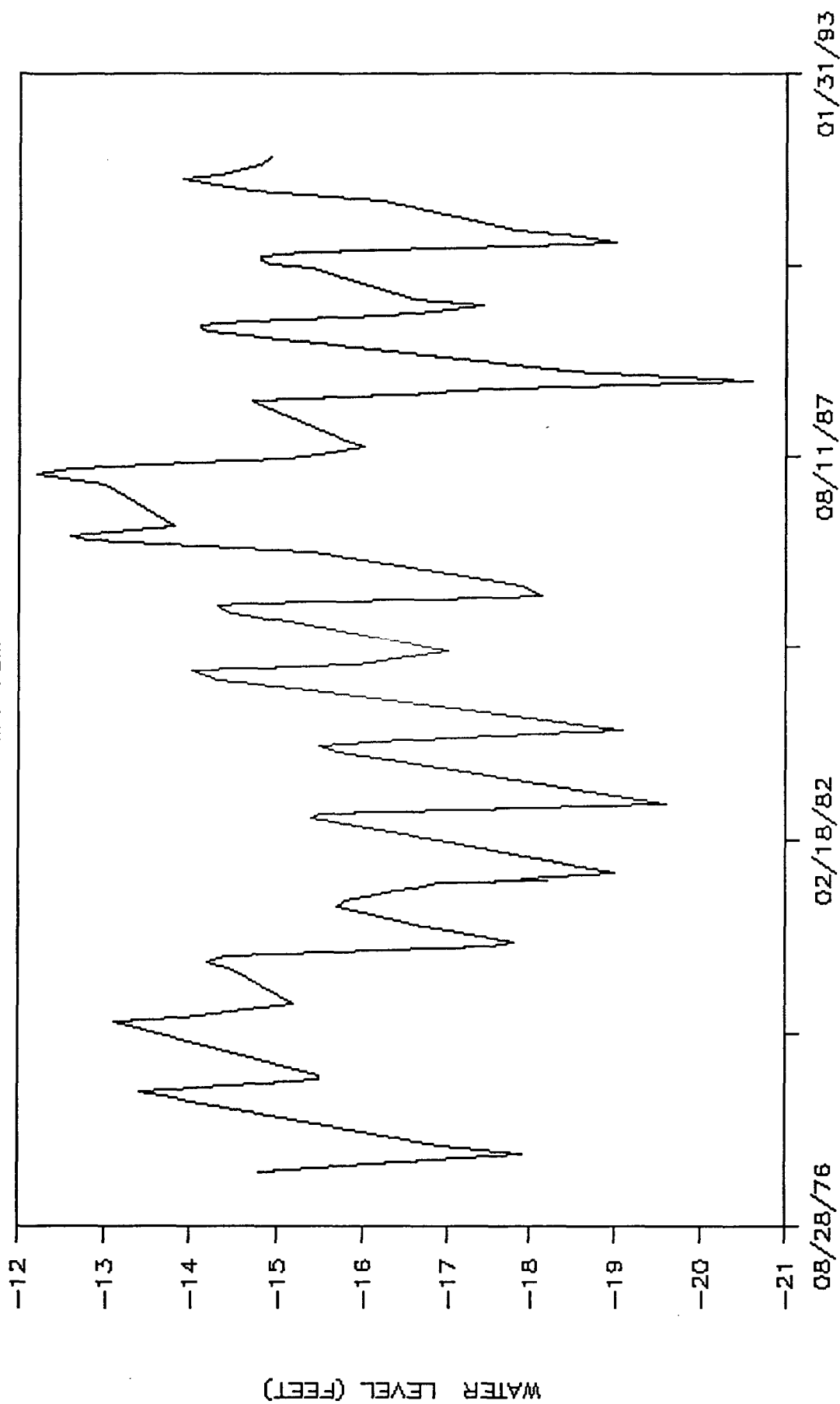
WATER RIGHTS OBSERVATION WELL

ML-701



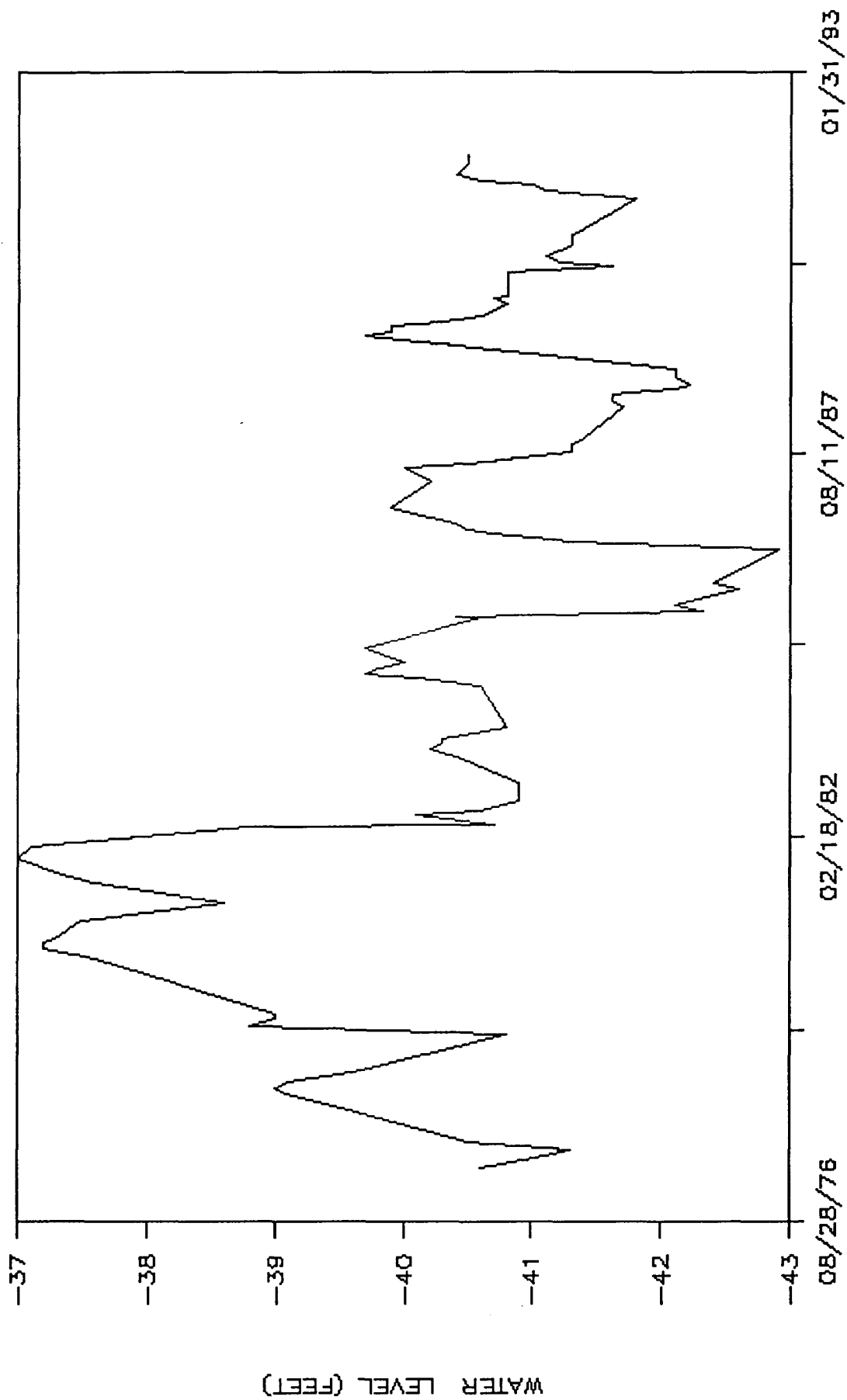
WATER RIGHTS OBSERVATION WELL

ML-7QM



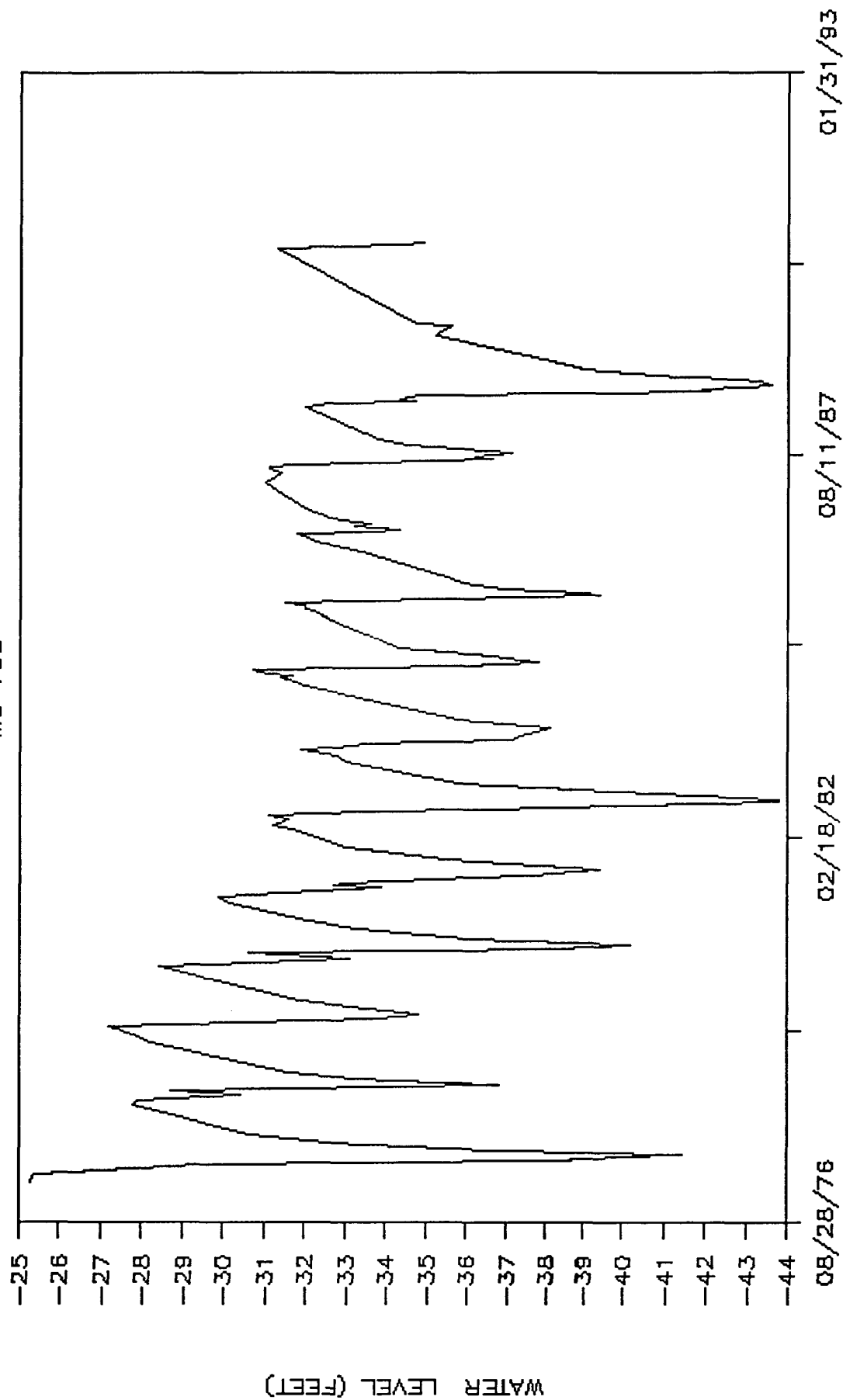
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ML-70C



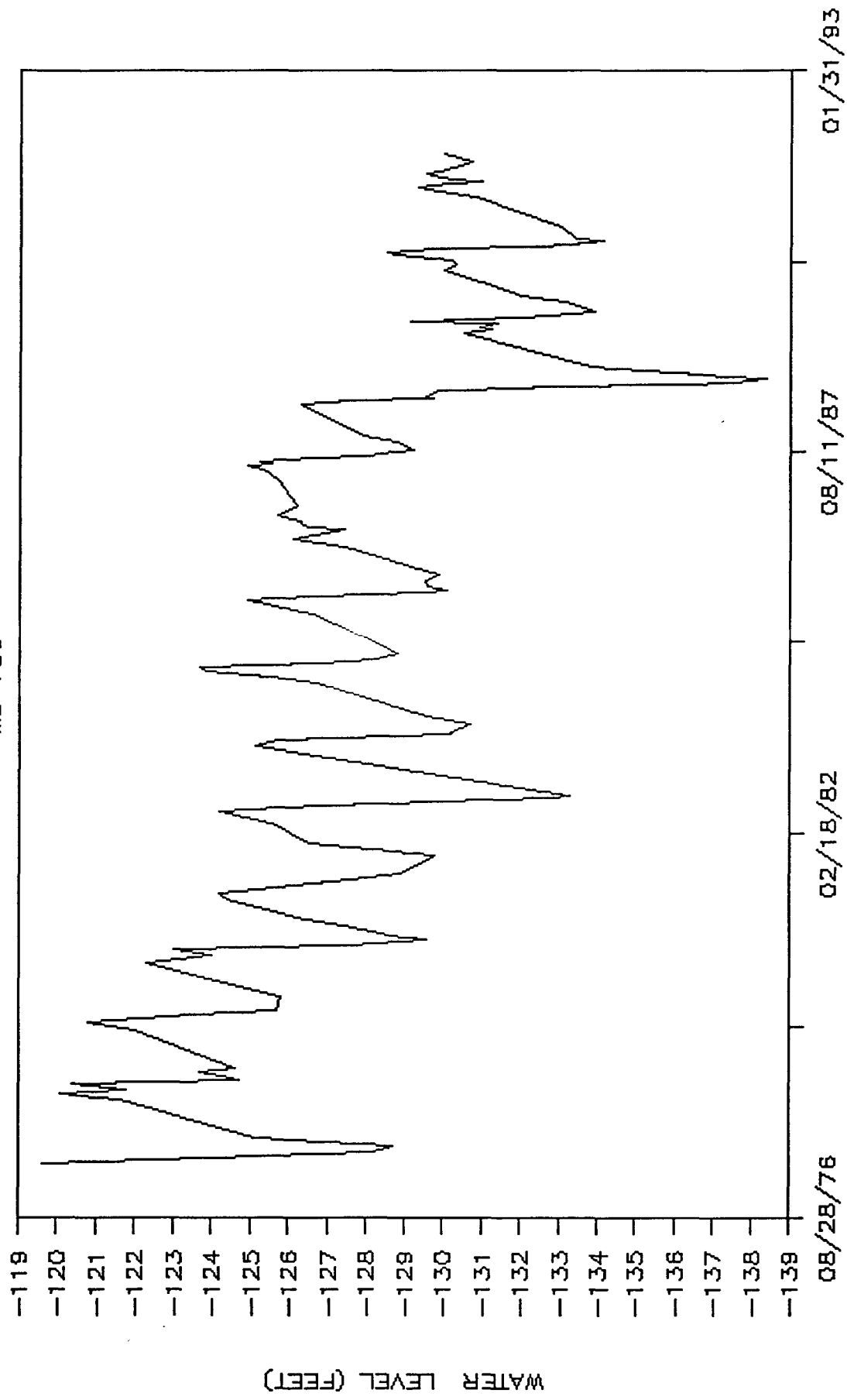
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ML-70E



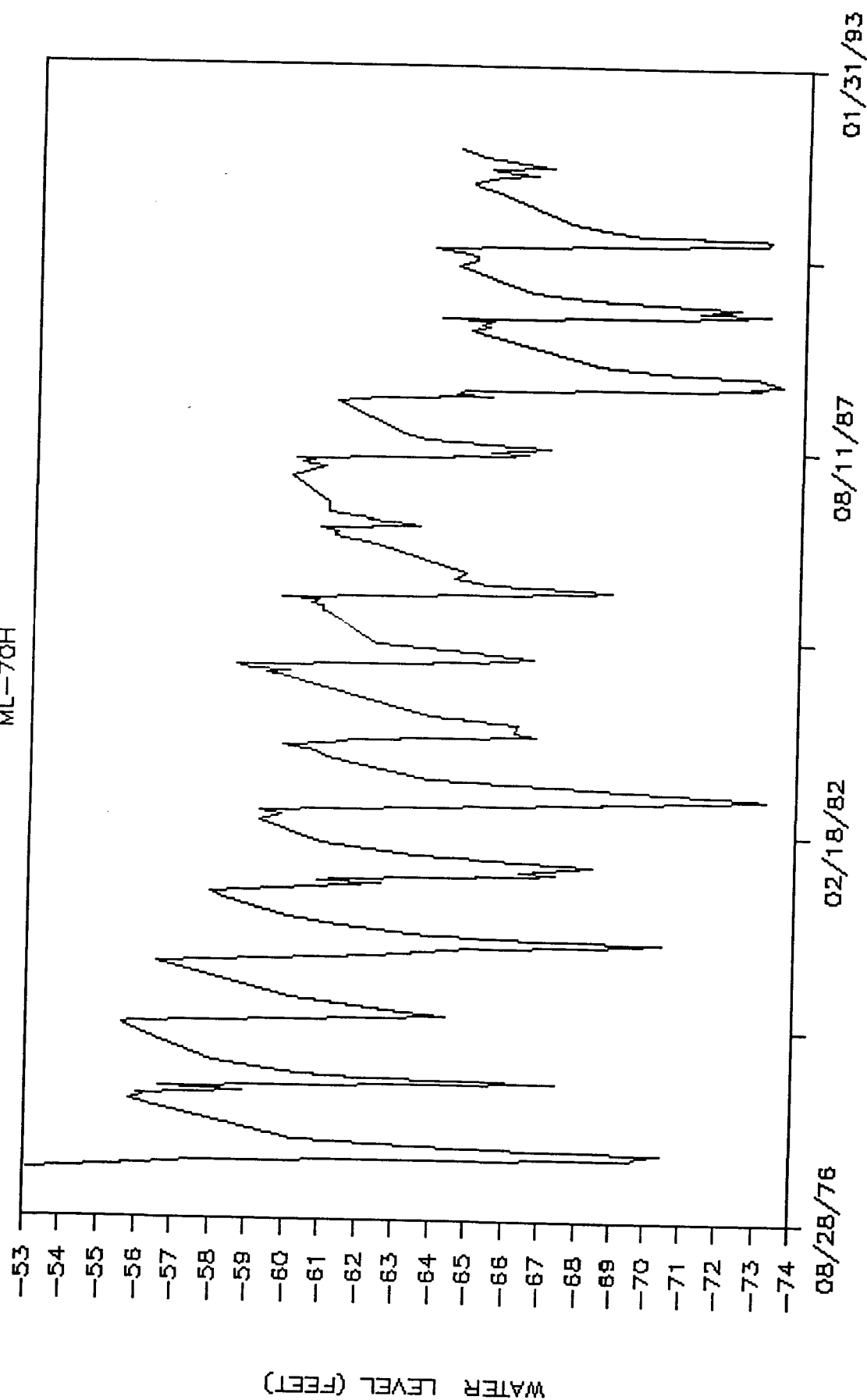
WATER RIGHTS OBSERVATION WELL

ML-70G



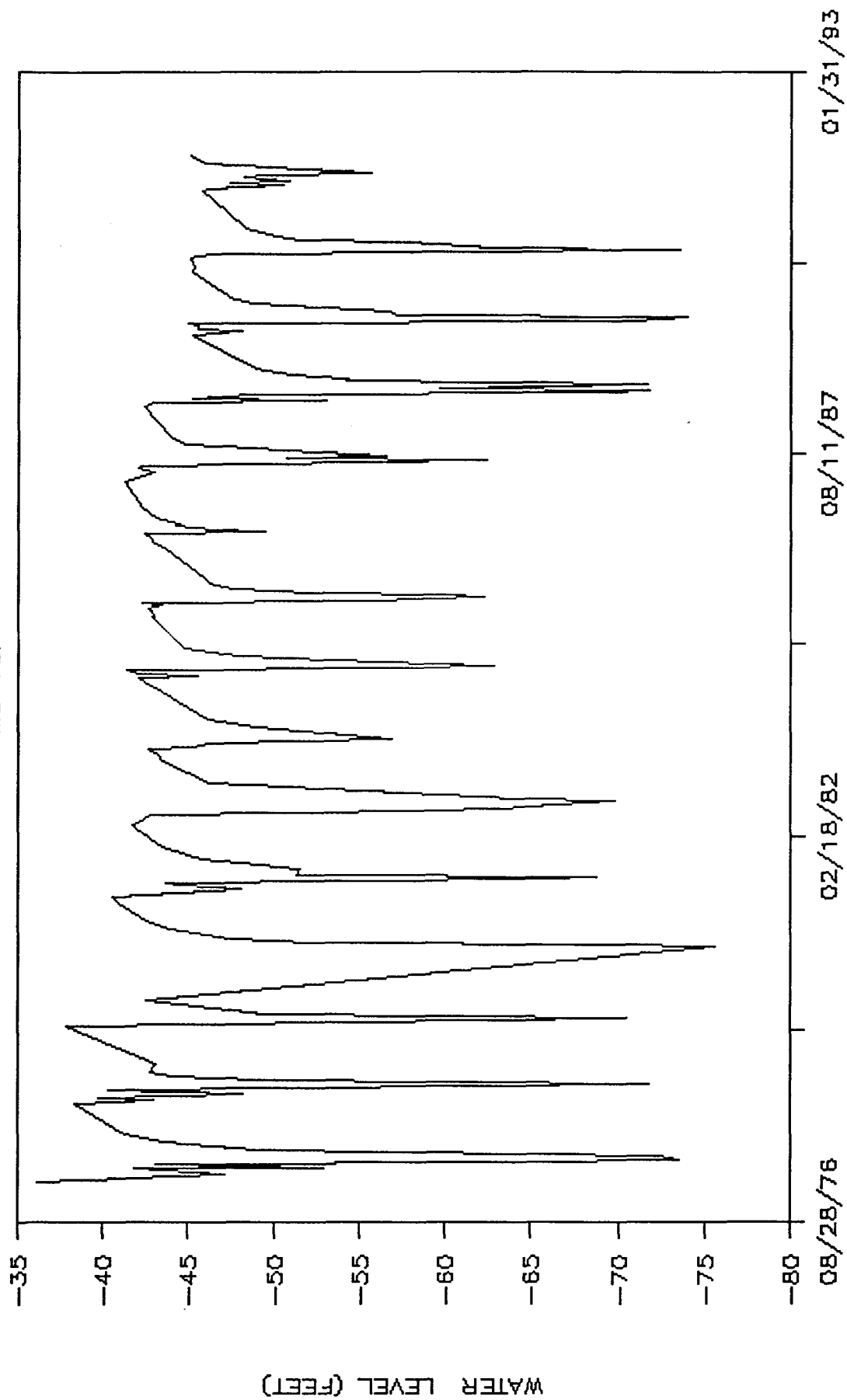
WATER RIGHTS OBSERVATION WELL

ML-70H



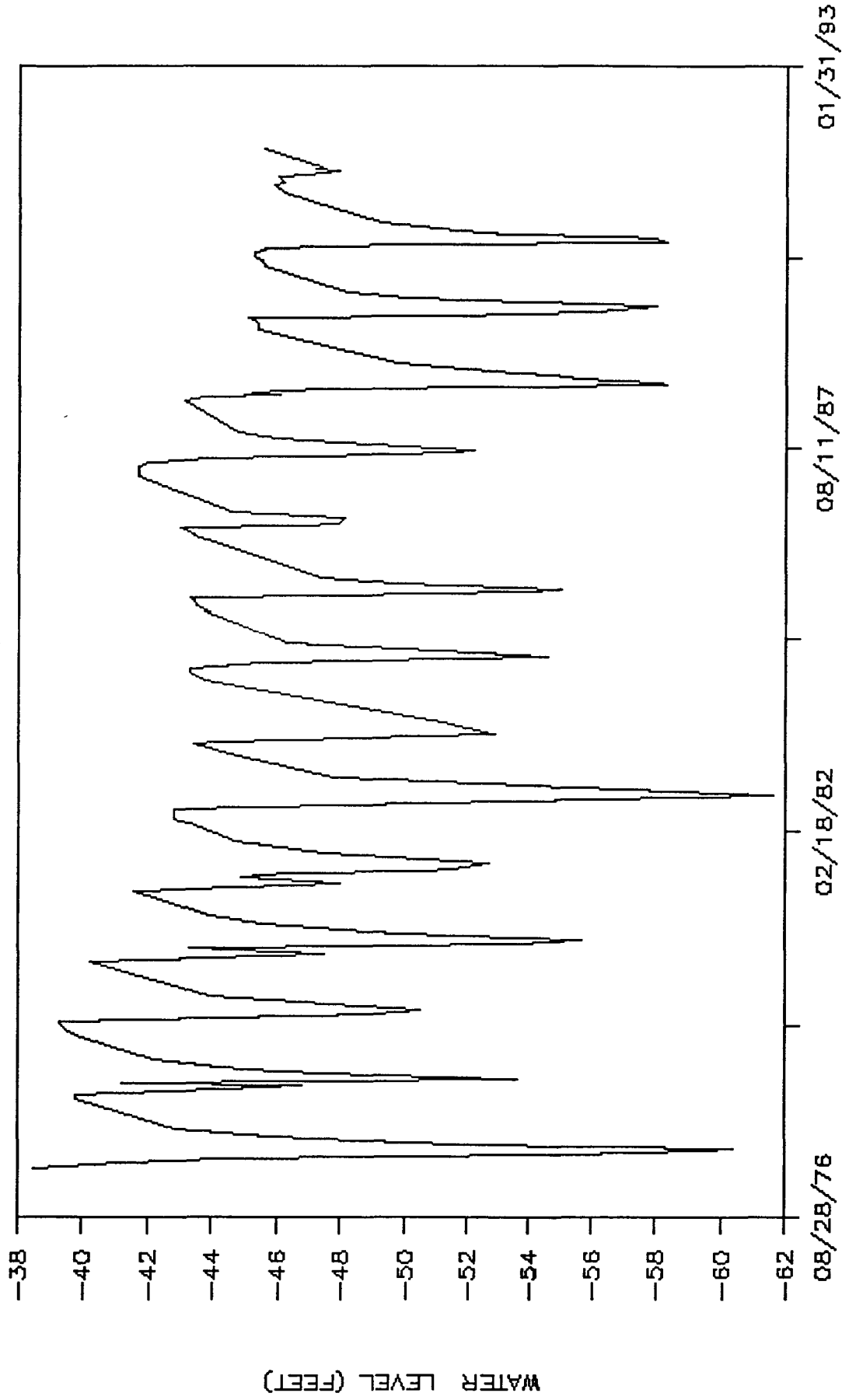
WATER RIGHTS OBSERVATION WELL

ML-701



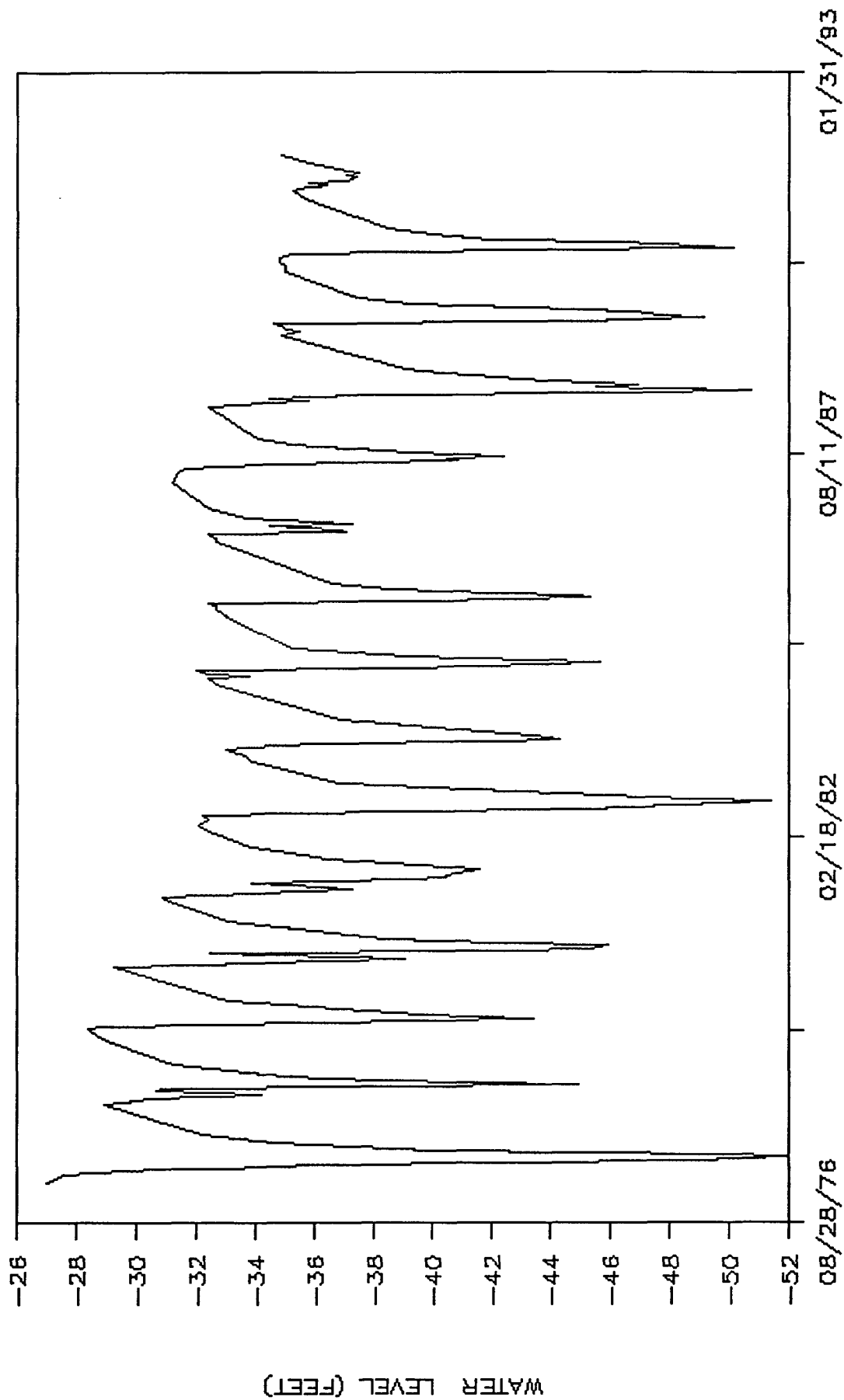
WATER RIGHTS OBSERVATION WELL

ML-70J



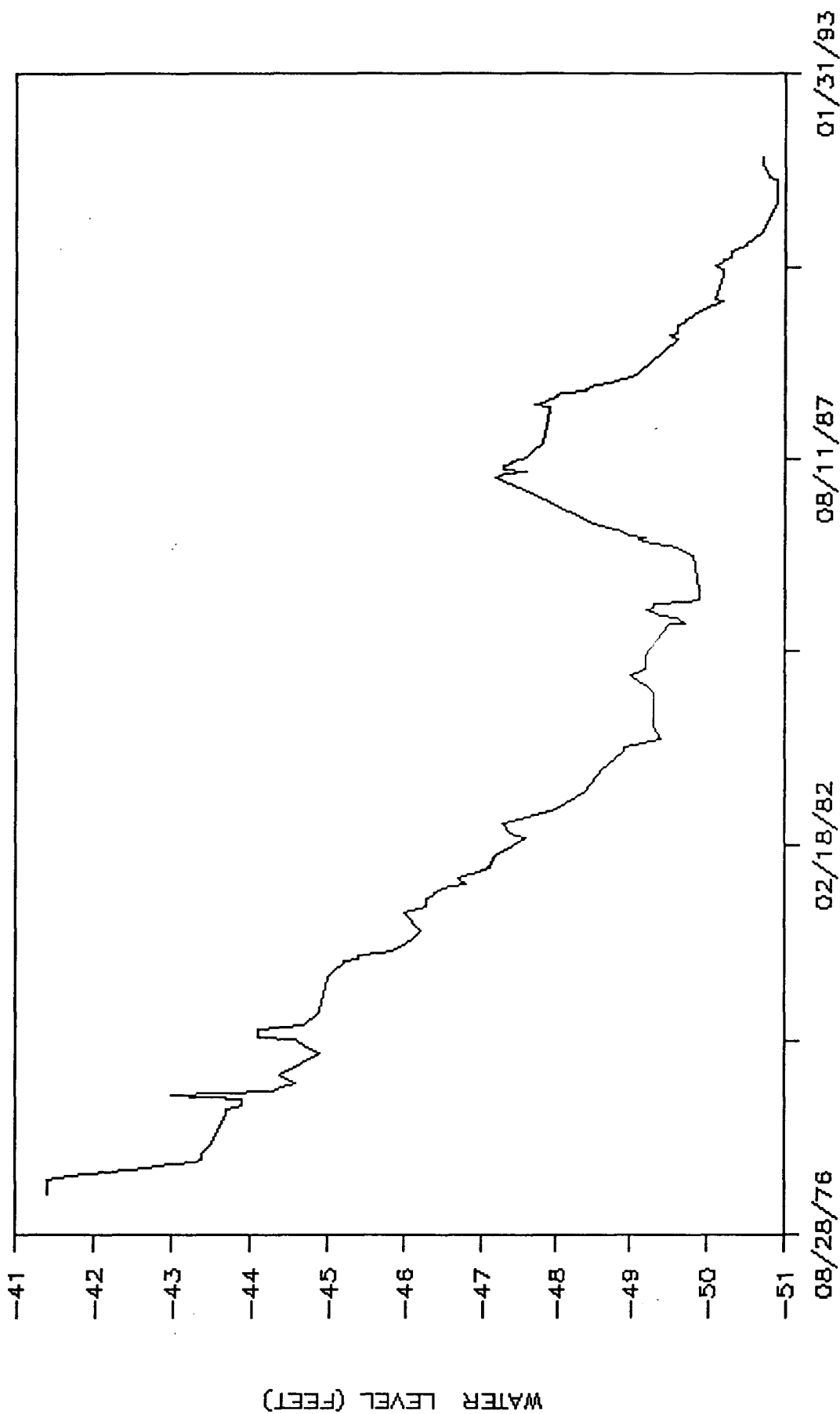
WATER RIGHTS OBSERVATION WELL

ML-70K



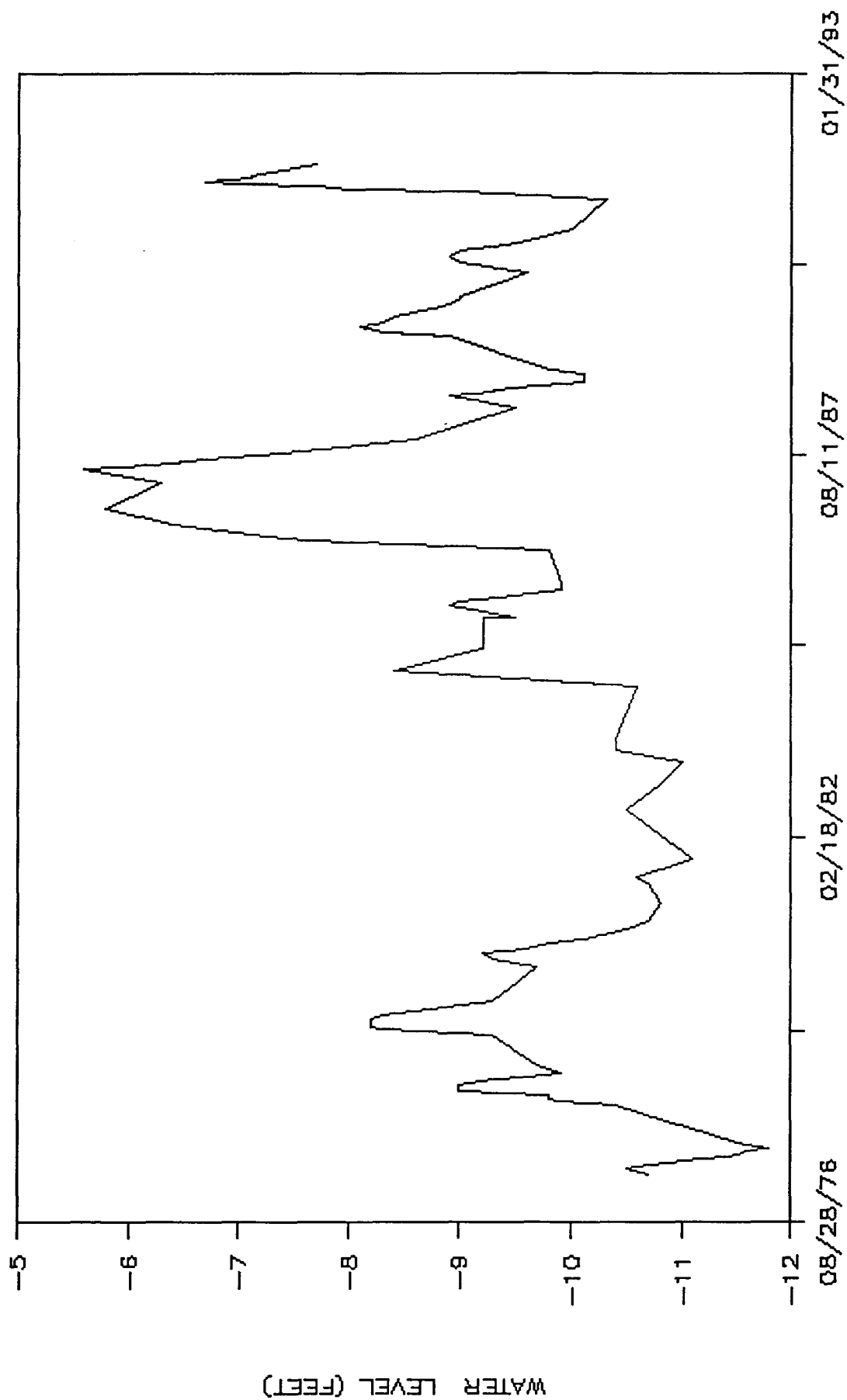
WATER RIGHTS OBSERVATION WELL

ML-70L



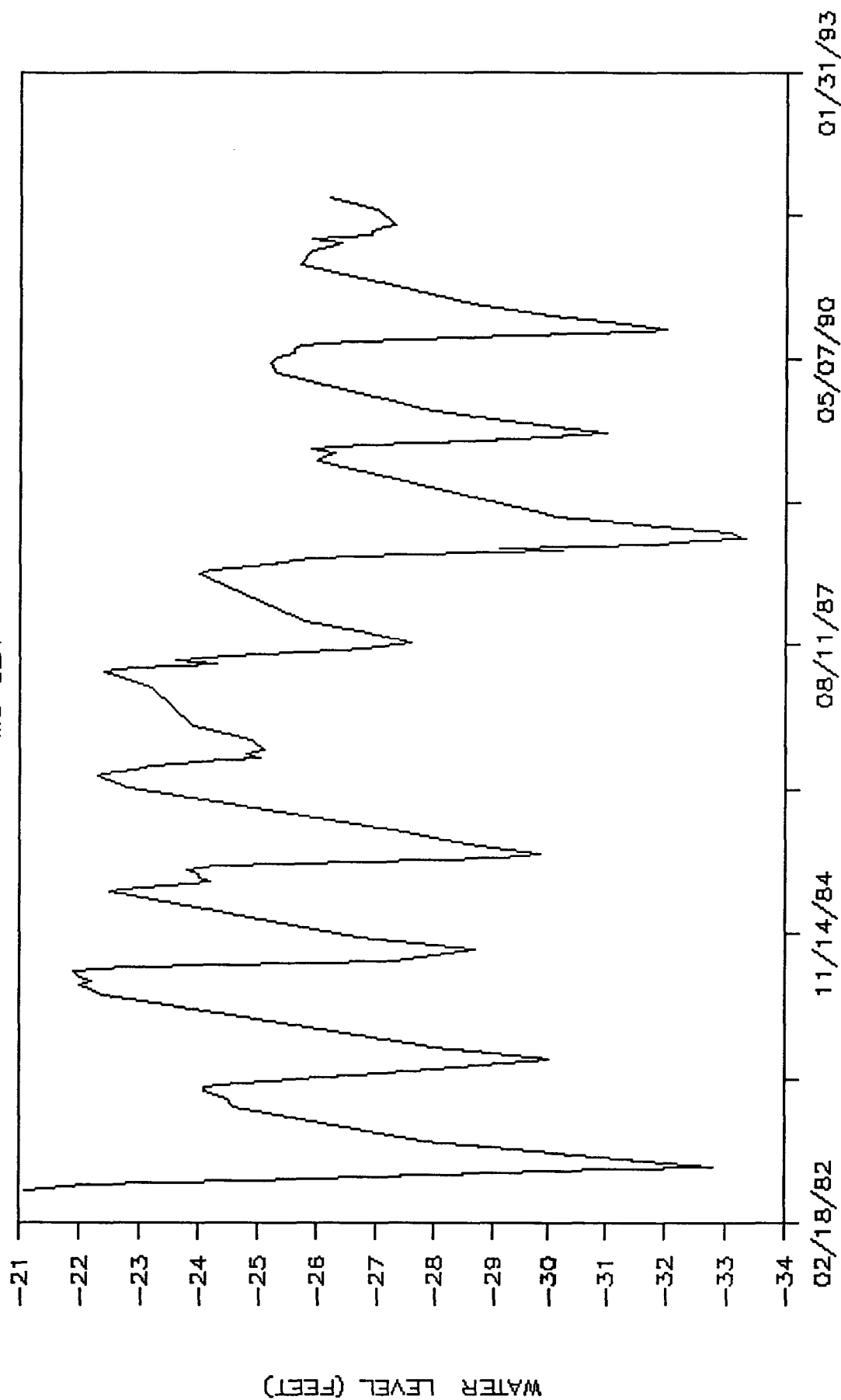
WATER RIGHTS OBSERVATION WELL

ML-70N



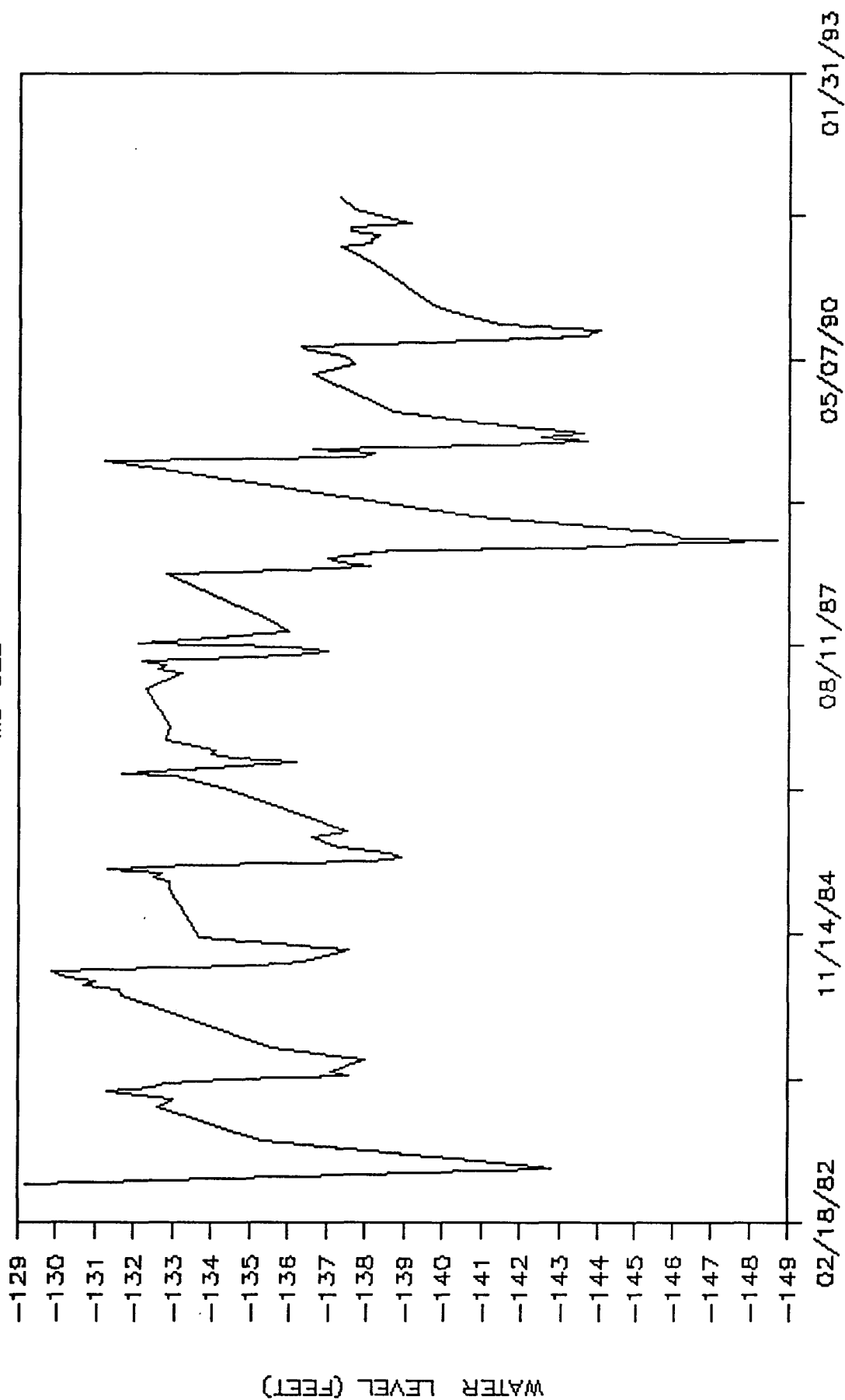
WATER RIGHTS OBSERVATION WELL

ML-82A



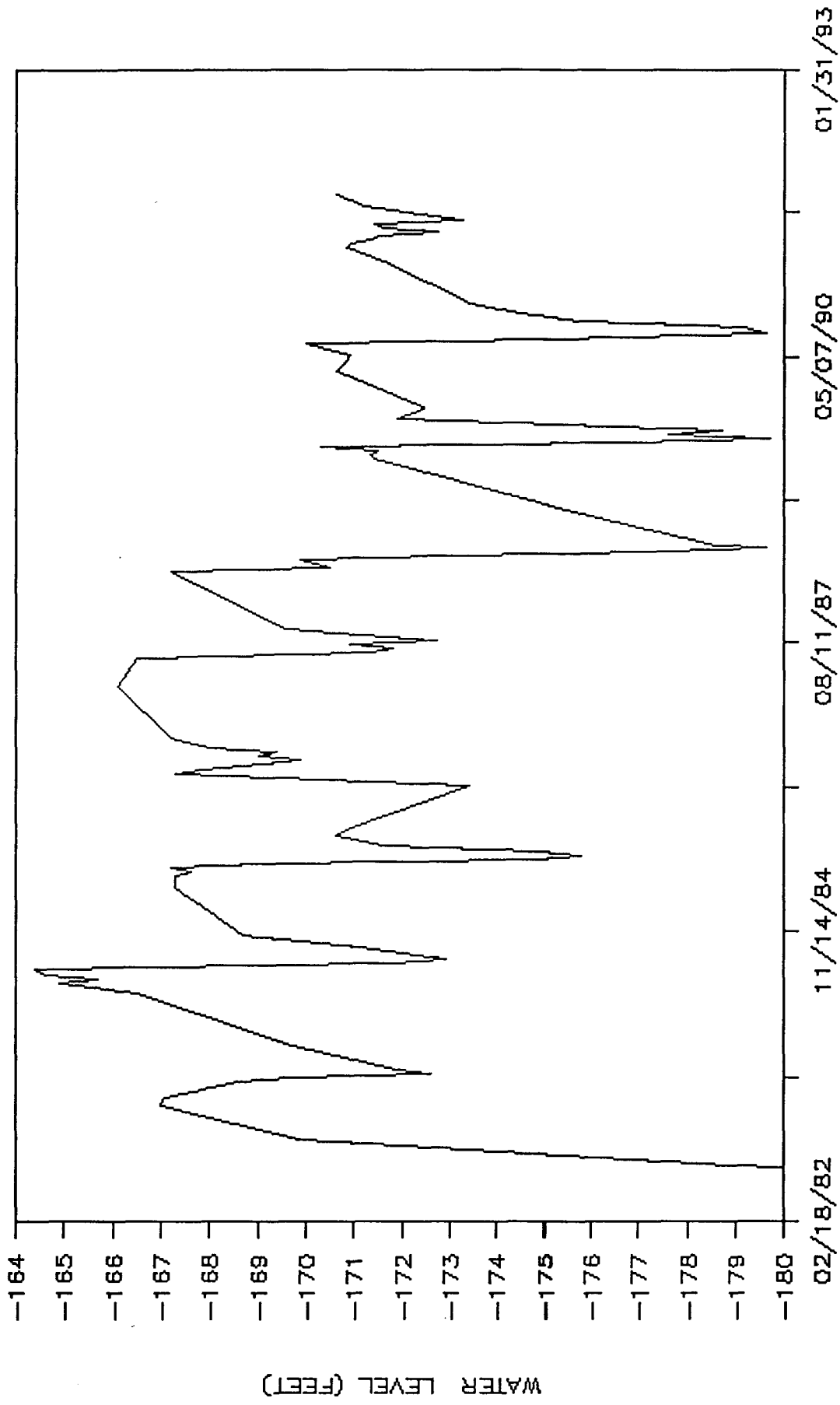
WATER RIGHTS OBSERVATION WELL

ML-82B



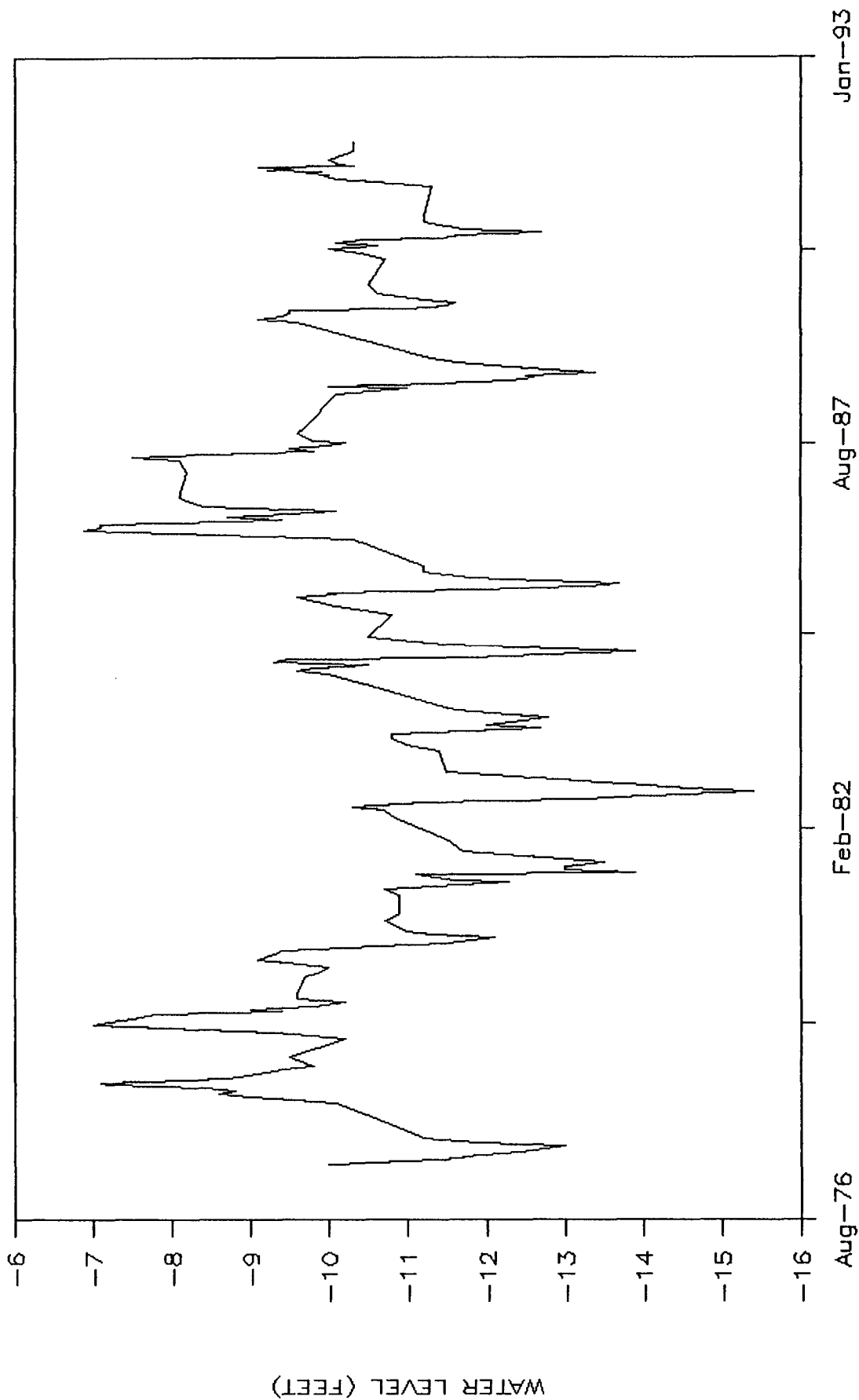
WATER RIGHTS OBSERVATION WELL

ML-82C



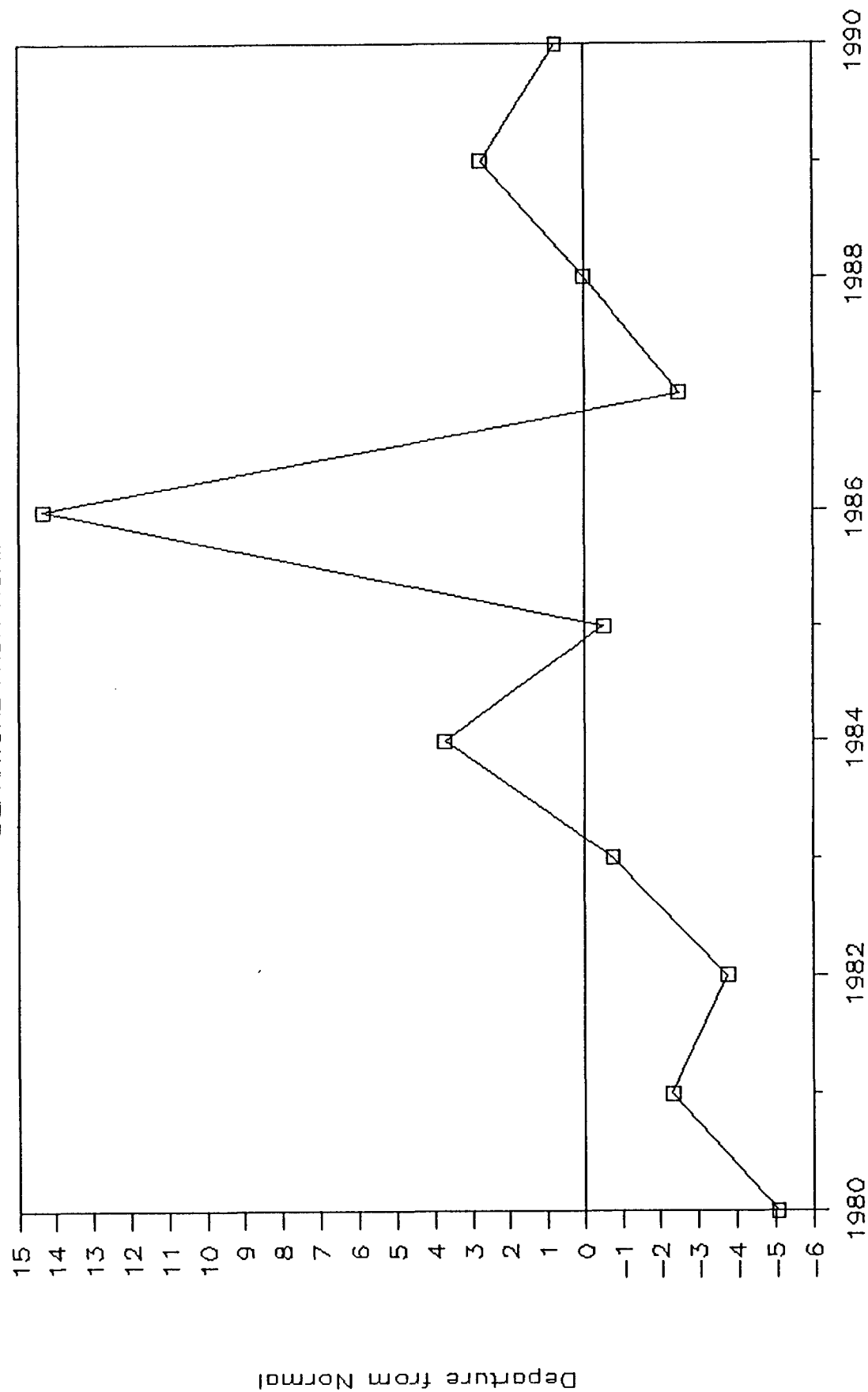
WATER RIGHTS OBSERVATION WELL

BN77R



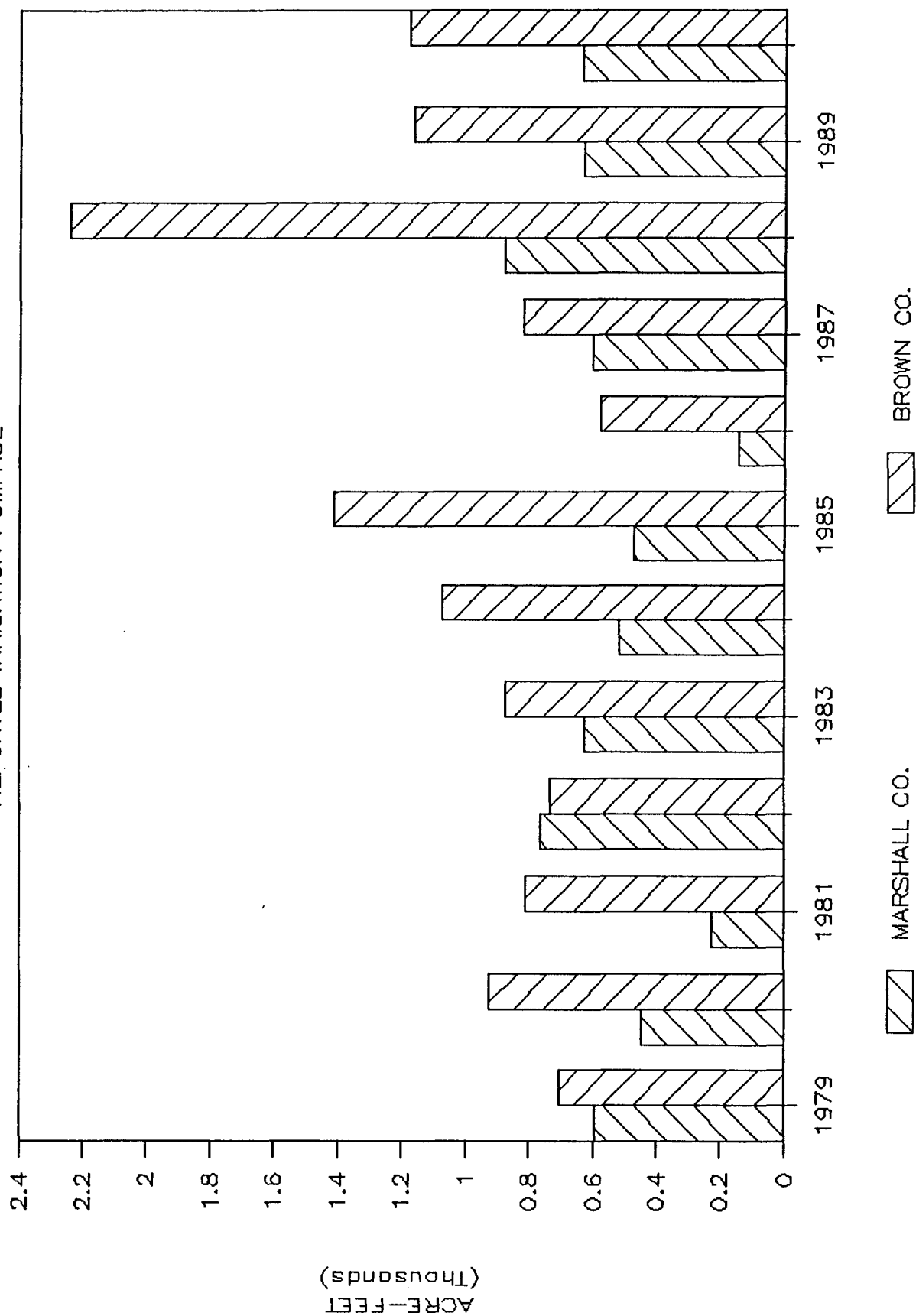
ANNUAL PRECIPITATION AT BRITTON, SD

DEPARTURE FROM NORMAL



MIDDLE JAMES: COLUMBIA

REPORTED IRRIGATION PUMPAGE



X ML-70A

5590-3
80'

NEWARK

ML-70L

2921
100'

1078
155'

3532
152'

ML-70J
X

ML-70K KIDDER

3014
158'

2205

2920

RS9W

RS8W



10 width
35-155
5590-3



2920

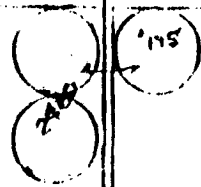
3335
158

ML-70N

ML-70I

T128N

T127N



27

RECORDED

ML-70D

BRITTON

10

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
 County Marshall) ss.

I, G. J. Card

certify that the attached printed Notice was taken
 from the Britton Journal

A newspaper which during the whole time of publication of
 said notice herein after stated, has been and is printed and
 published in the _____

City _____ of Britton

County of Marshall and State of South Dakota;
 that the said notice was published in said newspaper on the
 following two dates:

Feb. 5, 1992

Feb. 12, 1992

G. J. Card
 (Signature)

publisher

(Title)

Feb. 12, 1992

(Date Sign)

Cost of Printing: \$44.51



5-88

on Application No. 5590-3
 to Appropriate Water

Notice is given that Steve Kasowski, PO Box 186, Mapleton, ND 58059 has filed an application for a water permit to appropriate 3.85 cubic feet of water per second from one well (Middle James: Columbia Aquifer) 180 feet deep located in the SE1/4NE1/4 Section 1-T128N-R59W to irrigate 270 acres located in the NE1/4 Section 6-T128N-R58W and the SE1/4 Section 1-T128N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5590-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E. Capitol, Pierre, SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 24, 1992. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

If a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Board will consider this application on March 4, 1992, at 10:00 a.m., Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD 57501. If a hearing is held, the Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to: 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The March 4, 1992, hearing date will be automatically delayed for at least 20 days upon written request of the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by February 24, 1992.

Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact the Water Rights Division to request copies of information pertaining to this application or to assure access to the hearing by the handicapped.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01-01 thru 74:02:01-15.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.

January 27, 1992

Steve Kasowski
PO Box 186
Mapleton ND 58059

Dear Mr. Kasowski:

Water Permit Application No. 5590-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Britton Journal printed at Britton, SD. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

January 27, 1992

Britton Journal
Box 69
Britton, SD 57430

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5590-3 to be published twice. Please publish the first notice on February 5, 1992, with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Steve Kasowski, PO Box 186, Mapleton, ND 58059.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

FIRST TRANSMITTAL NOTICE

TO: Eric Gronlund
Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name Newspaper

Instruction to Newspaper - Publish first Notice on February 5, 1992, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5590-3 to Appropriate Water

Notice is given that Steve Kasowski, PO Box 186, Mapleton ND 58059 has filed an application for a water permit to appropriate 3.85 cubic feet of water per second from one well (Middle James:Columbia Aquifer) 180 feet deep located in the SE 1/4 NE 1/4 Section 1-T128N-R59W to irrigate 270 acres located in the NE 1/4 Section 6-T128N-R58W and the SE 1/4 Section 1-T128N-R59W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5590-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 24, 1992. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

If a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Board will consider this application on March 4, 1992, at 10:00 am, Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD 57501. If a hearing is held, the Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The March 4, 1992, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by February 24, 1992.

Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact the Water Rights Division to request copies of information pertaining to this application or to assure access to the hearing by the handicapped.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.



MAR 18 1992

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

Steve Kasowski
PO Box 186
Mapleton, ND 58059

Dear Mr. Kasowski:

Enclosed is Water Permit No. 5590-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

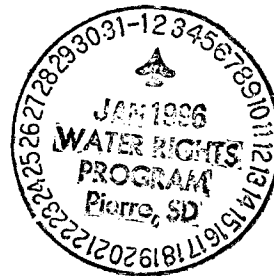
Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosures

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.



NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date 1-1-96

TO: Water Rights Division, DWNR
Joe Foss Building
Pierre SD 57501-3181

FROM: Steve Karowski Box 309 Cassellton, SD
name address city 58012

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. SS90-3.

Water Permit No. SS90-3 states that the diversion system is to be constructed by March 4 1997, and that the water it put to beneficial use by March 4 2001.

The diversion system was completed on 5-1-92.
Applying the water to beneficial use was completed on 5-1-92.

You may schedule an inspection so that the Water License may be issued.

Steve Karowski
signature



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

January 6, 1998

Steve Kasowski
Box 309
Casselton, ND 58012

Dear Mr. Kasowski:

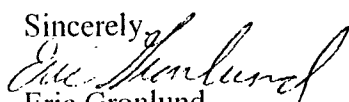
I am writing in regard to Water Permit No. 5590-3 (copy enclosed). You inquired about the steps necessary to transfer a portion of the water permit to the new owner. It is our understanding that one of the two quarters authorized for irrigation under this permit has been sold.

During our phone conversation you stated the quarter you currently own is being irrigated. The other quarter has not been developed for irrigation. Water Permit No. 5590-3 specified that the irrigation system was to be constructed by March 4, 1997, with water to be put to beneficial use by March 4, 2001. Since an irrigation system was not constructed in the one quarter section by March 4, 1997, I believe the undeveloped quarter may be forfeited and no longer authorized by the water permit. If this is the case, to split the water permit between the two landowners is probably not necessary. A licensing investigation can be scheduled by a Water Rights staff person and the water permit will be licensed for the irrigation developed.

The new owner(s) may file a transfer of ownership if they believe the undeveloped quarter section is still part of the water permit. Enclosed is a transfer of ownership form. Since the permit was issued for just one well, the transfer will need to include a request for an additional diversion point. A new law allows an additional diversion point to be authorized if the chief engineer makes a finding that the additional diversion point does not increase the potential for interference with existing diversions. To assist us with that determination we request a copy of a map showing the location of the proposed new diversion point and proposed well construction.

If a transfer of ownership is filed the Water Right Program will need to be provided with the reason that the irrigation system was not developed on this parcel within the timeframes set forth by the water permit. A determination may then need to be made on the status of the water permit. It is important to note that the owner of this parcel may apply for a new irrigation water permit.

Please feel free to contact me if you have any questions.

Sincerely,

Eric Gronlund
Water Rights Program
(605) 77303352

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

June 24, 1998

5590-3

Calvin Carlson
PO Box 110
Britton, SD 57430

Dear Mr. Carlson:

Enclosed, as we discussed, is a partially completed "Notice of Transfer of Ownership" form for use in filing an ownership change with Water Permit No. 5590-3. The water permit is currently listed in the name of Steve Kasowski.

I am including a copy of the water permit and also a copy of the last correspondence we sent to Mr. Kasowski. It was our understanding from visiting with Mr. Kasowski back in January that he sold the quarter of land that was not developed for irrigation. If this was the portion you purchased, the water permit may no longer be valid. The system was to be constructed by March 4, 1997.

If you purchased all of the land described in the permit, rather than just the one quarter, the portion with the irrigation system is transferable. The enclosed transfer form includes all of the land described in the permit. You may edit this as needed. The transfer form must be signed in the presence of a notary public and returned to our office with a required filing fee of \$2.50.

Please review the letter we sent to Mr. Kasowski, it addresses several issues that will need to be clarified prior to transferring this water permit. If I can answer any questions for you, please give me a call.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

encl



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

June 30, 1998

5590-3

Calvin Carlson
PO Box 110
Britton, SD 57430-0110

Dear Mr. Carlson:

I am writing to acknowledge receipt of the "Notice of Transfer of Ownership" form you submitted for filing an ownership change with Water Permit No. 5590-3.

The form was completed properly and a notation made that you are only purchased the land in the SE ¼ Section 1, T128N, R59W. Prior to the transfer being processed, a \$2.50 fee is required. My original correspondence may have been vague about the fee requirement.

A few days ago, you spoke with Karen Schlaak with our program and indicated the land you purchased did have an irrigation system. It is our understanding that the land in Section 6, originally included under Permit No. 5590-3 was not developed for irrigation. We will contact the owner of the land in Section 6 to follow-up on the status of this portion of the permit.

You also inquired about the possibility of irrigating more land in Section 1 using the well described in the current permit. In order to irrigate additional acreage, you will need to apply for a new water permit to cover the land. The water permit authorizes a well in the SE ¼ NE ¼ Section 1. Several test hole logs have been submitted for locations in Section 1 and Section 6. I am unable to determine from the file where the well was actually drilled. Do you have access to the well or do you need to make an application to include a well and additional acreage? I am enclosing a set of water permit application forms in the event you want to amend the existing water permit or apply for additional acreage.

With regard to the transfer of ownership, please remit a total of \$2.50 to cover the filing fees as required by statute. Please remember to include the permit number with your correspondence and form of payment to insure proper handling of the fee. Your check or money order can be made out to the "Water Rights Program" and mailed to us at DENR, Water Rights Program, 523 E Capitol, Pierre, SD 57501. If I can answer any questions for you, please give me a call.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

July 9, 1998

5590-3

James & Paulette White
1923 Eilers Court
Huron, SD 57350-3846

Dear Mr. & Mrs. White:

I am contacting you in regard to land you purchased formerly owned by Steve Kasowski. I obtained your names from the Marshall County Register of Deeds office. They have you listed as owning all of Section 6, T128N, R58W.

Water Permit No. 5590-3, currently listed in the name Steve Kasowski, authorizes irrigation of 270 acres in the NE ¼ Section 6, T128N, R58W and the SE ¼ Section 1, T128N, R59W. It is our understanding from visiting with Mr. Kasowski and from the person who purchased the land in Section 1, that an irrigation system was not constructed on the NE ¼ Section 6.

In order for the water permit to be maintained for the land in Section 6, all construction would need to have been completed by March 4, 1997. In order to update the water permit, I wanted to get in touch with you, as land owners, to determine if a system was or was not constructed.

I am enclosing a copy of the water permit for your review. Please take a few minutes to look over the permit and then write or call and let me know whether or not any part of the irrigation system was constructed on the land you own.

Thank you for your help in this matter and if I can answer any questions, please get in touch with me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

encl



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

July 30, 2002

Calvin Carlson
PO Box 110
Britton SD 57430

Dear Calvin Carlson:

I am enclosing your map that you let me borrow.

If you have any questions, feel free to contact me at (605) 773-3352 or via email at stacy.johnson@state.sd.us.

Sincerely,

Stacy J. Johnson
Natural Resources Project Engineer

Enclosure (1)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

August 8, 2002

Tigh Fliehs
12247 406th Ave
Claremont SD 57432

Dear Tigh Fliehs:

Calvin Carlson told me that you own Section 6 T128N-R58W. I am enclosing a partially filled out transfer of ownership form for you to fill out. Water Permit No. 5590-3 was originally for a well in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 1 T128N-R59W. It was also for irrigation of lands in the SE $\frac{1}{4}$ Section 1 T128N-R59W and the NE $\frac{1}{4}$ Section 6 T128N-R58W. In the information that I received from Calvin Carlson about the well on his land, it is capable of producing enough water to irrigate his land. If you want to irrigate your land, you will need finish filling out the partially completed Water Permit Applications that are enclosed.

If you need further assistance, do not hesitate to contact me at (605) 773-3352 or via email at stacy.johnson@state.sd.us.

Sincerely,

Stacy J. Johnson
Natural Resources Project Engineer

Enclosures (4)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

August 19, 2002

Calvin Carlson
PO Box 110
Britton SD 57430

Dear Calvin Carlson:

I am enclosing a map that I had done for the lands that you irrigate in Section 1 T128N-R59W. The lands that you irrigate are outline in fluorescent green. If you do not agree with my outline area for irrigated lands, please make changes to the map.

I am enclosing partially completed application forms. When finished filling out forms, please send them back to our office along with the application fees. Please make check payable to the Water Rights Program.

If you need further assistance, do not hesitate to contact me at (605) 773-3352 or via email at stacy.johnson@state.sd.us.

Sincerely,

Stacy J. Johnson
Natural Resources Project Engineer

Enclosures (4)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

Calvin Carlson
PO Box 110
Britton SD 57430

Dear Mr. Carlson:

We received your *Application for a Permit to appropriate Water*. Upon further review of Water Permit No. 5590-3, it was determined that this application will not be necessary. Therefore, we are returning the \$300 application fee.

We are going to proceed with issuing the water license for Water Permit No. 5590-3 for the 158 acres you irrigate. State law requires that we charge a \$50.00 fee for the investigation and issuance of the water license. Enclosed is a postage prepaid envelope for your use.

Upon receipt of the \$50.00 fee, we will complete processing your water license. If you have any questions, please contact me at 605 773-3352 or via email at stacy.johnson@state.sd.us.

Sincerely,

Stacy J Johnson
Natural Resources Project Engineer

enclosures

Water Rights Division - DENR

Conversation or File Documentation

Name of Person: Tigh Fliehs

File Nos. 5590-3 and 5640-3

Address: 12247 406th Ave Claremont SD 57432 **County:** Marshall

Date: September 4, 2002 **Telephone:** (605) 294-5353

RE: About Water Permit Nos. 5590-3 and 5640-3

Comments: I asked Tigh if a center pivot has ever been put in his land. He told me no. I told him that my coworkers and I had a conversation about what he needed to do. I thought that we decide that Tigh was entitled to have a portion of the water produced by Mr. Carlson's well. Tigh said that he wanted to apply for a permit whatever way that was easiest. I told him that I needed to talk to my coworkers again and get back to him.

I told him since his land was never developed that we are going to cancel the permit on his land. I told him that he should apply for additional 135 acres that he wants to irrigate on his land. He will get the water from his father's well. He asked about what if he wanted to apply for more water. I told him to fill in item two on the application form with the additional amount of water that he wanted. He asked about filling out the transfer of ownership form for Water Permit No. 5590-3. I told him since we are going to cancel that part of the permit that he did not need to fill in out. He asked about filling out the Form 2A. I told him since he will be using his father's well and because his father already has water permit that he did not need to fill out that form.



Stacy J. Johnson
Natural Resources Project Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

JUL 08 2005

Calvin Carlson
PO, Box 110
Britton SD 57430

Dear Mr. Carlson:

Enclosed is reissued Water License No. 5590A-3. The original permit authorized irrigation of 270 acres located in the NE ¼ Section 6-T128N-R58W and the SE ¼ Section 1-T128N-R59W. Due to ownership changes, the water license is being divided to reflect separate ownership.

- No. 5590A-3 – Calvin Carlson, PO Box 110, Britton SD 57430 owns SE ¼ Section 1-T128N-R59W.
- No. 5590B-3 – Tigh Fliehs, 12247 406th Ave, Claremont SD 57432 owns NE ¼ Section 6-T128N-R58W. Issuance of No. 5590B-3 is being withheld until the Water Management Board determines if the permit is subject to cancellation due to non-construction.

Also, enclosed are the receipts for payment of the Notice of Transfer fee and license fee which were previously submitted.

As long as the water is used beneficially, as stated in the reissued Water License, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

Garland Erbe, Chief Engineer
Water Rights Program
605 773-3352

enclosures

**DIVISION OF NO. 5590-3
INTO 5590A-3 & 5590B-3**

Due to ownership changes, the water license is being divided to reflect separate ownership.

- No. 5590A-3 – Calvin Carlson, PO Box 110, Britton SD 57430 owns SE ¼ Section 1-T128N-R59W.
- No. 5590B-3 – Tigh Fliehs, 12247 406th Ave, Claremont SD 57432 owns NE ¼ Section 6-T128N-R58W. Issuance of No. 5590B-3 is being withheld until the Water Management Board determines if the permit is subject to cancellation due to non-construction.