

Considered: _____

WATER PERMIT NO. 5142-3

MAP No. same

Name of Applicant Williams Pipeline Company c/o Dennis J. Thebeau

Post Office Address 705 E 41st Str., Sioux Falls, SD 57105

Amount of Water Claimed 0.44 cfs Total Acres NA

Source of Water Supply Skunk Creek Aquifer up to 20 wells

Water to be used for IND (recovery operation) County Minnehaha

About _____ miles _____ of in Sioux Falls.

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received June 8, 1987 Fee 250⁰⁰ Remarks _____

Corrected Application Received July 14, 1987 Period of Annual Use Jan 1 - Dec 31

WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

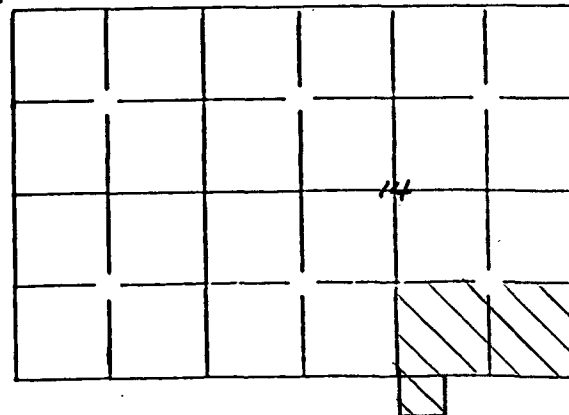
WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point wells: S $\frac{1}{2}$ SE $\frac{1}{4}$

section 14-T101N-R50W; NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$

section 23-T101N-R50W

Land to be Irrigated NA



Well Log: Driller Lacey Well Drilling Licensed YES ☒ NO _____

Depth of Well 10-35 feet deep REMARKS _____

Type of Map Topo PREPARED BY Williams Pipeline & Ron Duvall Reviewed and the Number

assigned on July 15, 1987 By Ron Duvall

No. 5142-3 Hydrologic Unit 10170203
 Map No. same Basin Big Sioux River
 Newspaper Argus Leader, PO Box 5034, 57117

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use of water: Industrial ☐ Commercial ☐ Municipal ☐ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☒ recovery wells

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐☐ Amend Permit No. _____ with old priority date retainedChange diversion point(s) ☐ Add diversion point(s) ☐ Other ☐☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____☐ Construction to use water reserved by Future Use Permit No. _____1. Name of Applicant Mr. Dennis Thebeau / Williams Pipeline Co. Phone No. _____Post Office Address 705 E. 41st St., Sioux Falls, SD 57105 State _____ Zip Code _____
(Street, RR or Box)2. Amount of water claimed (c.f.s) 0.443. Source of water supply Skunk Creek Aquifer up to 20 wells4. Location of point of diversion Recovery wells in T101N R50W, sec 14 S $\frac{1}{2}$ SE, and sec 23 NW NW NE
Williams Pipeline Terminal, Hayward School, and Golden Sun Feeds in Sioux FallsCounty Minnehaha5. Counties where water will be used Minnehaha6. Annual period during which water is to be used all year January 1 - December 31

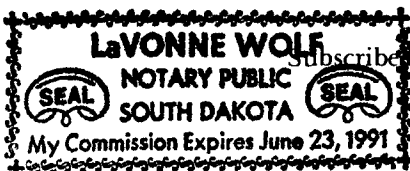
7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Five recovery wells are currently in operation on the Williams Pipeline property. The purpose of these wells is to remove gasoline contaminated groundwater for treatment and subsequent disposal. A total of approximately 15 additional recovery wells will be installed and operational before the end of this year. Each well will pump at approximately 1 to 10 gpm.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
 County of Minnehaha) ss

I, Dennis J. Thebeau (Williams Pipeline Co.) the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed LaVonne Wolf

Subscribed and sworn to before me this 5th day of June 1987

Notary Public (or other qualified officer)

NOTE: MW-65 IS ACTUALLY 375 FEET NORTH OF THIS LOCATION

MW-65

EPA-4

SUSAN DRIVE

ALLIED OIL COMPANY

TRANSPORT INC.

TRANSPORT INC.

RUDE TRANSPORTATION

WAYNE TWP FIRE DEPT.

MEL'S AUTO

SUNSET MOTEL

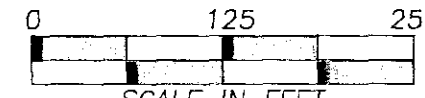
PETROLEUM CARRIERS

WILLIAMS PIPE LINE COMPANY
12TH STREET TERMINAL
SIOUX FALLS, SOUTH DAKOTA

DATE	REVISED

PREPARED BY:
LEGGETTE, BRASHEARS &
GRAHAM, INC.
Professional Ground-Water Consultants
Hamlet Professional Building
4001 Valhalla Boulevard, Suite 102
Sioux Falls, SD 57106
(605) 361-6000

DATE: PLATE OF



WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. _____

(Applicant)

(Post Office Address)

(State)

(Zip Code)

With the following qualifications.

Date of first receipt of application _____, 19____.

Date of return to applicant for correction, amendments or changes required _____, 19____.

Date of receipt of corrected application _____, 19____. Approved _____, 19____.

The Water Management Board hereby approves this Water Permit No. _____ authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is _____, 19____.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before _____, 19____.
3. The whole of said work is to be completed on or before _____, 19____.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is _____, 19____.
5. The water appropriated shall be used for the purpose of _____

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed _____ cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for _____ on or before _____, 19____; said water to be used during the following described annual period: _____

WATER MANAGEMENT BOARD

By: _____

Chief Engineer

Division of Water Rights

Dept. of Water and Natural Resources

_____, 19____

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 5142-3

Williams Pipeline Company 705 E. 41st Street
(Applicant) (Street, RR or Box)
Sioux Falls, South Dakota 57105 With the following qualifications.
(City) (State) (Zip Code)

1. The wells 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. Approval of this Permit authorizes well construction pursuant to Variance No.22 from Section 74:02:04:28 of the Well Construction Standards.

Date of first receipt of application June 8, 1987

Date of return to applicant for correction, amendments or changes required June 9, 1987

Date of receipt of corrected application July 14, 1987 Approved September 9, 1987

The Water Management Board approved this Water Permit No. 5142-3 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is June 8, 1987
2. The equivalent of at least one-fifth of the specified work is to be completed on or before March 9, 1990
3. The whole of said work is to be completed on or before September 9, 1992
4. The limit of time for proof of beneficial use of water appropriated in accordance herewith is September 9, 1996
5. The water appropriated shall be used for the purpose of industrial use for the recovery of gasoline in the groundwater
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation granted shall not exceed 0.44 cubic feet per second; neither shall it exceed the amount of water needed for the beneficial uses served and to which water is actually and beneficially applied for industrial use on or before September 9, 1996. The water is to be used during the following described annual period: January 1 - December 31

WATER MANAGEMENT BOARD

By: John Hatch
Chief Engineer **JOHN HATCH**
 Division of Water Rights
 Dept. of Water and Natural Resources

NOV 3 1987

10-85

REMARKS This log represents 2 four inch monitoring wells (SRW1 and SRW3) located at the tank 1341 site on the Williams Pipe Line 12th STP terminal. A map is attached. Depths may vary slightly.

DATE MICROFILMED

CAMERA OPERATION

SOUTH DAKOTA WATER WELL COMPLETION REPORT

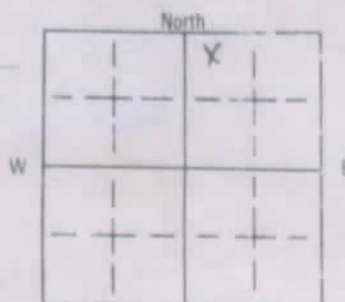
10-85

Location NW 1/4 NE 1/4 Sec 23 Twp 101N Rg 50W

County

Minnehaha

Please mark well location with an "X"

Well Completion Date 3/25/87

PROPOSED USE

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

Soluble recovery wells

Method of Drilling

Air Rotary

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>19</u> LB/FT	<u>6</u> IN	<u>0</u> FT	<u>11</u> FT	<u>10</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 Bentonite pellets were placed above the gravel pack but below where the pitless was to be installed

What was grout weight? _____ LB/GAL

SCREEN ☐ Perforated pipe ☒ ManufacturedDiameter 6 IN Length 10 FEETMaterial Stainless SteelSlot Size .040 Set From 11 Feet To 21 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information There is a 2 Ft. sump on the bottom of the screenWas a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

(Describe packer(s) and location? _____)

Well Owner

Name Williams Pipe Line Co.Address 5300 W. 12th, Sioux Falls S.D.

Well Log

Depth

Formation

From

To

Top Soil02Poorly sorted Fine221to coarse sand, gravelClay21STATIC WATER LEVEL 20 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☐ OtherDescribe Submersible pumps

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS: This log represents S.R.W. (Soluble recovery wells) #5 and #8, located on the old Hayward school property. The depths vary slightly. The construction is the same. A detailed map for locations is enclosed.

This well was drilled under license # 533

And this report is true and accurate

Drilling firm RAY WEST INC

Signature of License Representative

Timothy P. Lindgren

Signature of Well Owner

DATE MICROFILMED

CUTTING INFORMATION

SOUTH DAKOTA WATER WELL COMPLETION REPORT

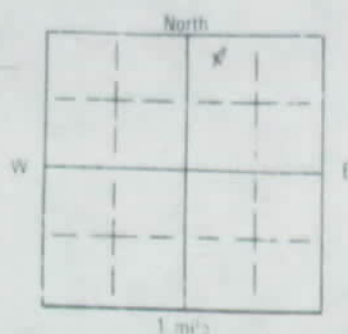
10-85

Location NW 1/4 NE 1/4 Sec 23 Twp 101N Rg 50W

County

Minnehaha

Please mark well location with an X



Well Completion Date 3/24/87 to 5/8/87

PROPOSED USE

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

Soluble Recovery Wells

Method of Drilling

Air Rotary

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
19 LB/FT	6 IN	0 FT	12 FT	10 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 Bentonite pellets were placed above the gravel pack but below where the pitless would be installed

What was grout weight? _____ LB/GAL

Screens ☐ Perforated pipe ☒ Manufactured

Screen diameter 6 IN Length 10 FEET

Material Stainless Steel

Slot Size .050 Set From 12 Feet To 22 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information There was also a 1 to 1 1/2 Ft.

sump installed on the bottom of the screens.

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Well Owner

Name Williams Pipe Line Co

Address 5300 W 12th, Sioux Falls S.D.

Well Log

Depth

Formation

From

To

Top Soil

0

2

Poorly sorted fine to

2

22

COARSE SAND, GRAVEL

CLAY

22

STATIC WATER LEVEL 20 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 off? _____

WELL TEST DATA

☒ Pumped☐ Bailed

Describe Submersible pumps

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS This log represents S.R.W. (Soluble recovery well) #6, #7, #9, #10, #11. Located on the old Maynard School property. The depths may vary a little. The construction is the same. Some wells are pumping and some wells are not. A detailed map of S.R.W. locations is enclosed.

This well was drilled under license # 533

And this report is true and accurate

Drilling firm BAY WEST INC.

Signature of License Representative

Timothy P. Lindgren

Signature of Well Owner



SOUTH DAKOTA WATER WELL COMPLETION REPORT

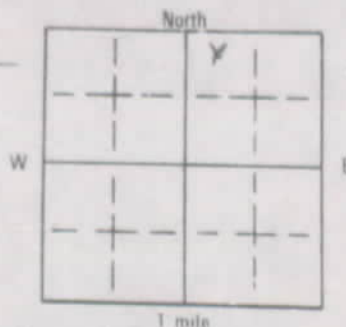
10-85

Location NW 1/4 NE 1/4 Sec 23 Twp 101 N Rg 50 W

County

Minnehaha

Please mark well location with an 'X'

Well Completion Date 3/25/87

PROPOSED USE

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

Recovery Well

Method of Drilling

Air Rotary

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
53.5 LB/FT	12 IN	0* FT	17.5 FT	12 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

* Plus 2 Ft. Stickup from Grade

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 12" tele. IN Length 10 FEETMaterial Stainless SteelSlot Size .050 Set From 17.5 Feet To 27.5 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information Ten inch casing, 5 Ft. long WAS welded on the bottom of the screen.Was a packer or seal used? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? Johnson Well Co.16" packer on top of the screenat 17.5 Ft.

Well Owner

Name Williams Pipe Line Co.Address 5300 W 12th, Sioux Falls S.D.

Well Log

Depth

Formation

From

To

Black top01top soil12Poorly sorted fine228to coarse sandclay2832.6STATIC WATER LEVEL 29 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☐ BailedDescribe Submersible pump☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped 30 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS

This log represents R.W. 4 E (Recovery well). It is located on the old Hayward school property. A map is enclosed.

This well was drilled under license # 533

And this report is true and accurate

Drilling firm BAY WEST INC

Signature of License Representative

Timothy P. Lindsey

DATE MICROFILMED

CREATOR

Bay West, Inc.
800 N. Grotto St.
St. Paul, MN 55104

Recovery Well Construction

RW-2

Drilled Water Rotary

CASING:

10 inch, Steel

SCREEN:

UOP Johnson, Inc.

wire wrapped

SLOT SIZE: 0.040 in

DATE DRILLED:

June 12, 1986

DRILLER:

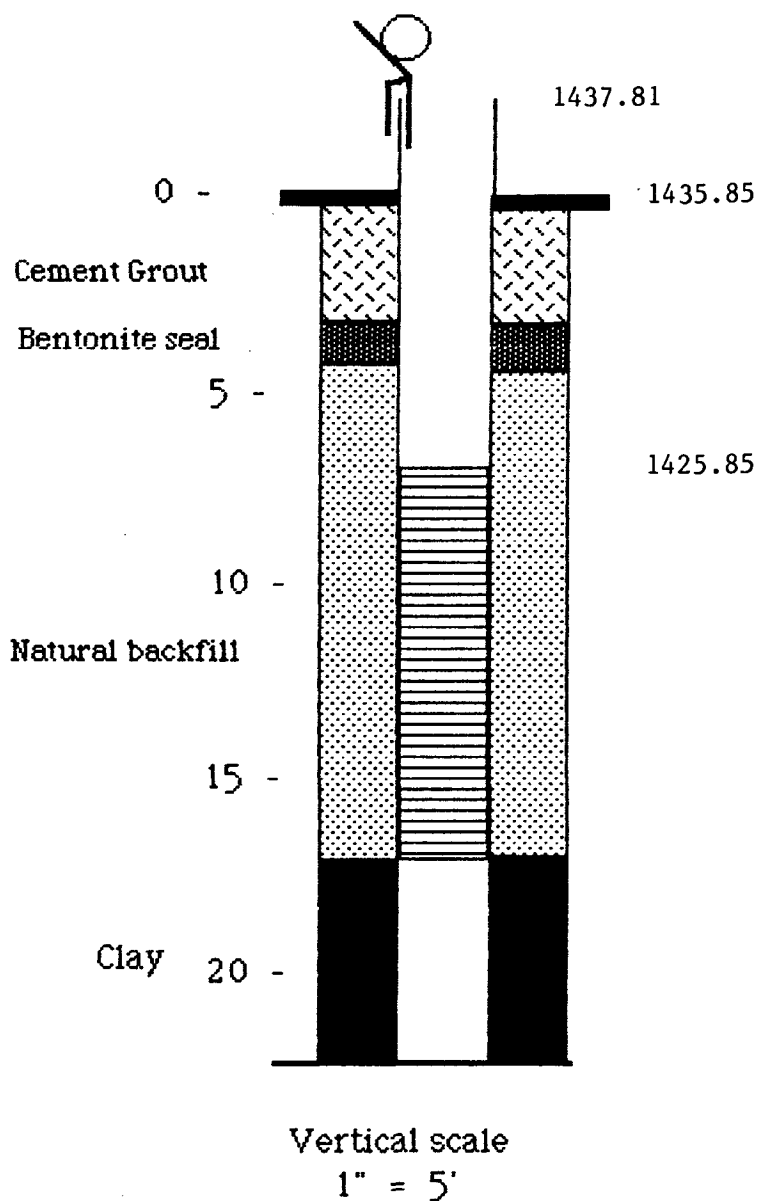
Sioux Well Drilling

FIELD ENGINEER:

T. Lindgren

LOCATION:

Williams Pipe Line - Tank 1341



BAY WEST Inc.**BORING / WELL NO.**SB-22 /RW-2**GRADE ELEVATION**1435.85**SOIL BORING / WELL LOG****TOTAL DEPTH**23'SITE - PROJECT: Williams Pipe Line Company - 1341JOB NO.: 6084DRILLER: T. Lindgren

INITIAL GWL: _____

FIELD ENGINEER: C. AndersonDATE COMPLETED: 6/10/86

DEPTH	WL	BLOW COUNTS	DESCRIPTION OF MATERIALS AND REMARKS	USCS
5			Topsoil	PT
			Brown silty clay	ML/CL
10			Brown sand and gravel	SP-GP
15				
20			Clay	CL
			Coarse sand	SW
			Light gray clay	CL
25			E.O.B. - terminated in clay	
30				
35				

Bay West, Inc.
800 W. Grotto St.
St. Paul, MN 55104

RECOVERY
Monitor Well Construction

SRW-1

Drilled 10.25 inch diameter
hollow stem auger

CASING:

Four inch,
schedule 40, PVC

SCREEN:

UOP Johnson, Inc.
wire wrapped PVC
SLOT SIZE: 0.030 in

DATE DRILLED:

August 18, 1986

DRILLER:

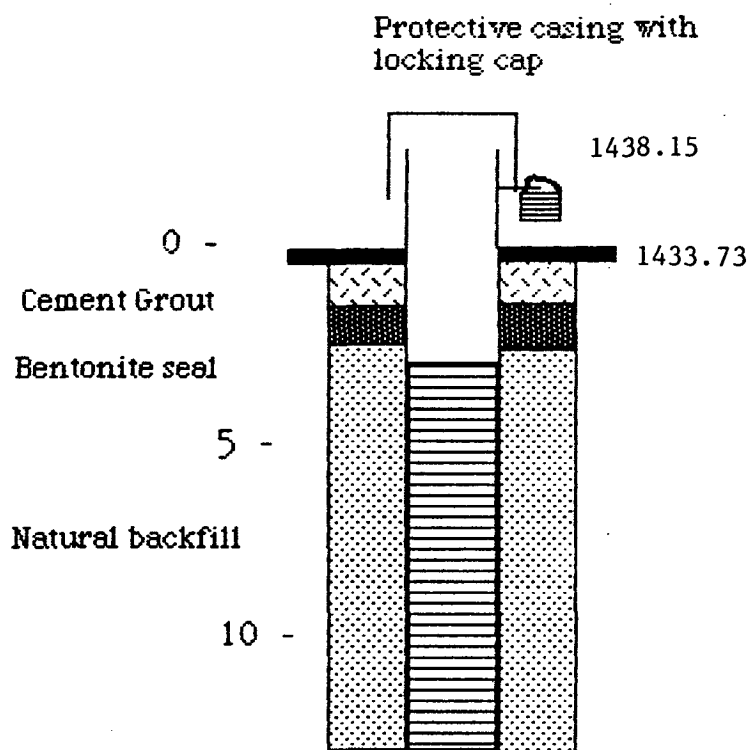
T. Lindgren

FIELD TECHNICIAN:

Durjoy Mazumdar

LOCATION:

Williams Pipe Line - Tank 1341



Vertical scale
1" = 5'

BAY WEST Inc.**BORING / WELL NO.** SB-33/SRW-1**GRADE ELEVATION** 1433.73**TOTAL DEPTH** 18'**SOIL BORING / WELL LOG****SITE - PROJECT:** Williams Pipe Line - Tank 1341**JOB NO.:** 6084**DRILLER:** T. Lindgren**INITIAL GWL:** 10'**FIELD TECHNICIAN:** D. Mazumdar**DATE COMPLETED:** 8/18/86**START/FINISH TIME:** _____

DEPTH	WL	BLOW COUNTS	DESCRIPTION OF MATERIALS AND REMARKS	USCS
			Topsoil	SM
			Cobbles w/pea gravel	GP
5			Red, brown sand w/some cobbles - gasoline odors	SP
10	▼			
			Coarse to medium sand	SP
15			E.O.B. - Terminated in brown clay - no odors	CL
20				
25				
30				
35				

Bay West, Inc.
800 N. Grotto St.
St. Paul, MN 55104

RECOVERY
Monitor Well Construction

SRW-2

Drilled 10.25 inch diameter
hollow stem auger

CASING:

Four inch,
schedule 40, PVC

SCREEN:

UOP Johnson, Inc.
wire wrapped PVC
SLOT SIZE: 0.030 in

DATE DRILLED:

August 19, 1986

DRILLER:

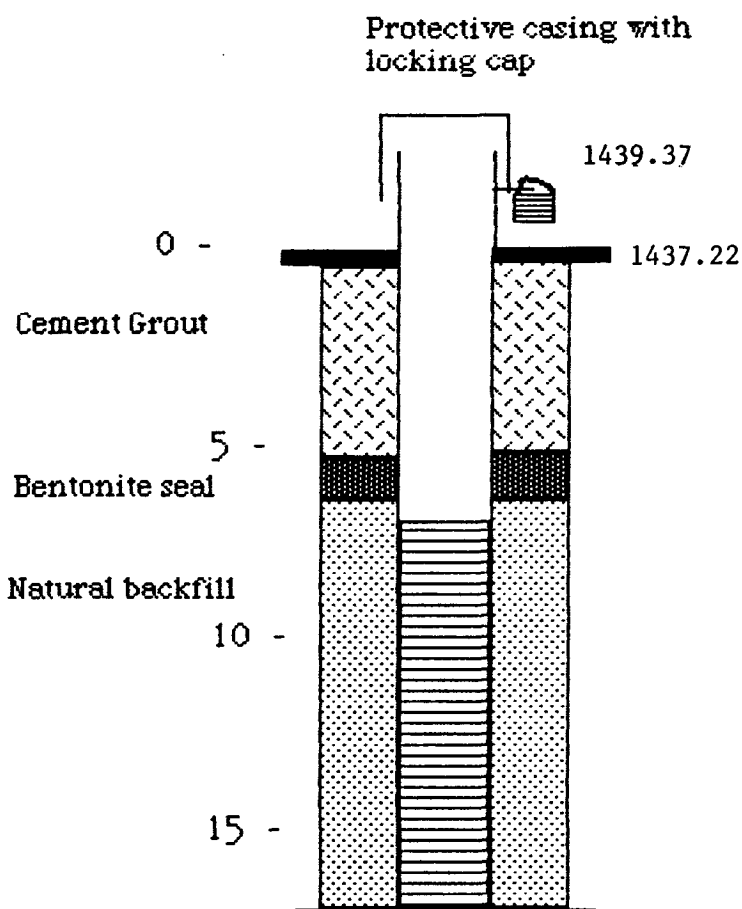
T. Lindgren

FIELD TECHNICIAN:

Durjoy Mazumdar

LOCATION:

Williams Pipe Line - Tank 1341



Vertical scale

1" = 5'

BAY WEST Inc.**BORING / WELL NO.** SB-34/SRW-2**GRADE ELEVATION** 1437.22**TOTAL DEPTH** 17' 9"**SOIL BORING / WELL LOG****SITE - PROJECT:** Williams Pipe Line - Tank 1341 **JOB NO.:** 6084**DRILLER:** T. Lindgren **INITIAL GWL:** 12.5'**FIELD TECHNICIAN:** D. Mazumdar **DATE COMPLETED:** 8/19/86**START/FINISH TIME:**

DEPTH	WL	BLOW COUNTS	DESCRIPTION OF MATERIALS AND REMARKS	USCS
			Black topsoil	SM
5			Brown topsoil	SM
			Cobbles w/pea gravel	GP
10			Brown, dry gravel - gasoline odor	GP
15			E.O.B. - Terminated in brown clay	CL
20				
25				
30				
35				

Bay West, Inc.
800 N. Grotto St.
St. Paul, MN 55104

RECOVERY

Monitor Well Construction

SRW-3

Drilled 10.25 inch diameter
hollow stem auger

CASING:

Four inch,
schedule 40, PVC

SCREEN:

UOP Johnson, Inc.

wire wrapped PVC

SLOT SIZE: 0.030 in

DATE DRILLED:

August 19, 1986

DRILLER:

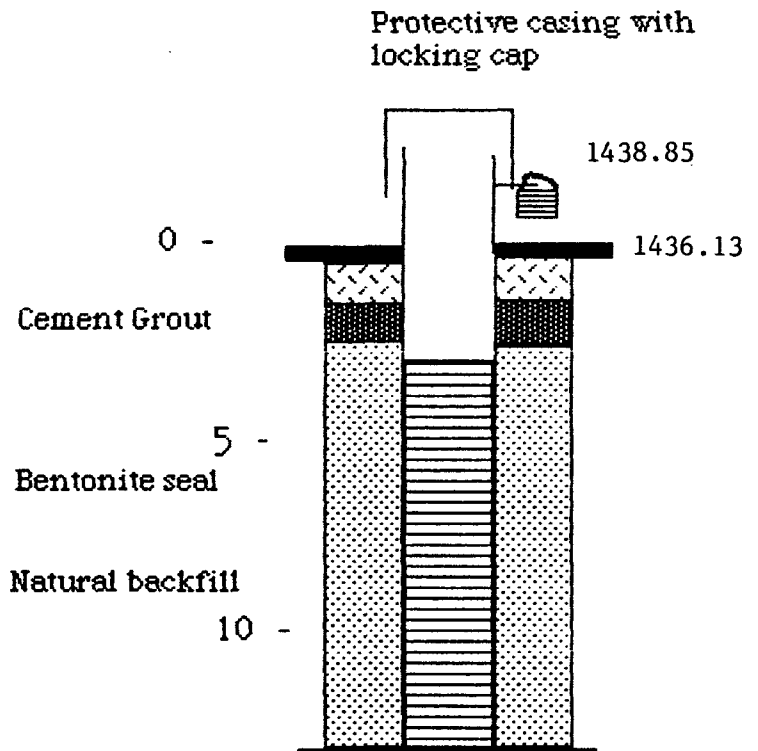
T. Lindgren

FIELD TECHNICIAN:

Durjoy Mazumdar

LOCATION:

Williams Pipe Line - Tank 1341



Vertical scale

1" = 5'

BAY WEST Inc.BORING / WELL NO. SB-35/SRW-3GRADE ELEVATION 1436.13TOTAL DEPTH 14'**SOIL BORING / WELL LOG**SITE - PROJECT: Williams Pipe Line - Tank 1341JOB NO.: 6084DRILLER: T. LindgrenINITIAL GWL: 11'FIELD TECHNICIAN: D. MazumdarDATE COMPLETED: 8/19/86

START/FINISH TIME: _____

DEPTH	WL	BLOW COUNTS	DESCRIPTION OF MATERIALS AND REMARKS	USCS
			Black topsoil	SM
5			Brown topsoil	SM
			Cobbles w/pea gravel	GP
10	▼		Brown, dry gravel - gasoline odor	GP
15			E.O.B. - Terminated in brown clay - no odors	CL
20				
25				
30				
35				

Bay West, Inc.
800 N. Grotto St.
St. Paul, MN 55104

RECOVERY
Monitor Well Construction

SRW-4

Drilled 10.25 inch diameter
hollow stem auger

CASING:

Four inch,
schedule 40, PVC

SCREEN:

UOP Johnson, Inc.
wire wrapped PVC
SLOT SIZE: 0.030 in

DATE DRILLED:

August 20, 1986

DRILLER:

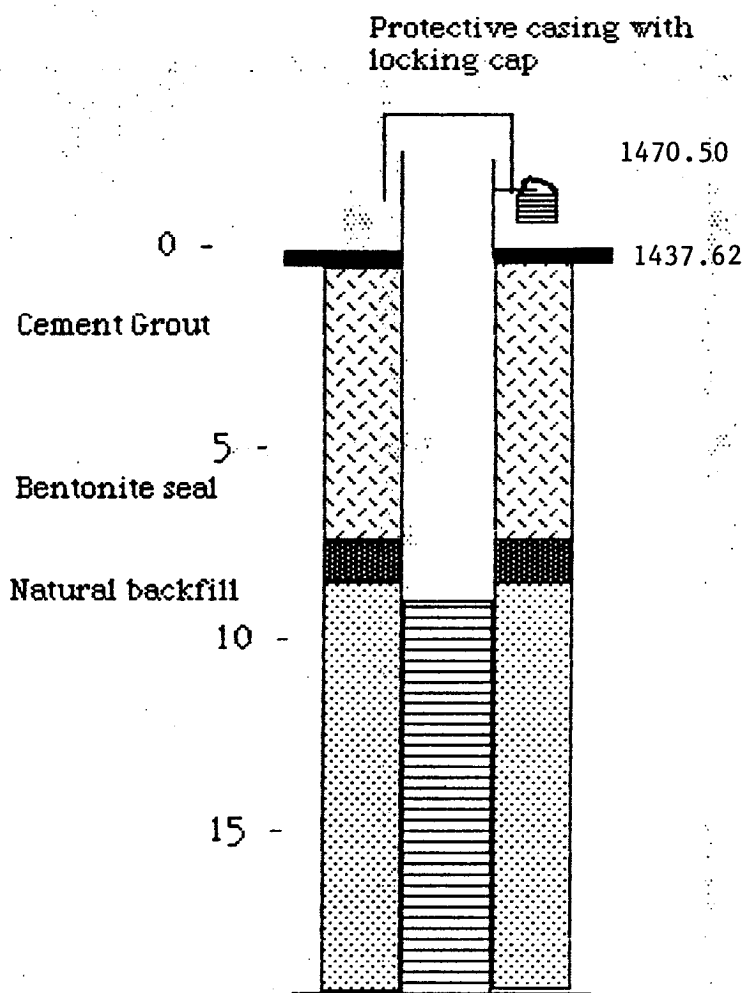
T. Lindgren

FIELD Technician:

Durjoy Mazumdar

LOCATION:

Williams Pipe Line - Tank 1341



BAY WEST Inc.**SOIL BORING / WELL LOG**

BORING / WELL NO. SB-37/SRW-4
GRADE ELEVATION 1437.62
TOTAL DEPTH 19'

SITE - PROJECT: Williams Pipe Line - Tank 1341 **JOB NO.:** 6084

DRILLER: T. Lindgren **INITIAL GWL:**

FIELD TECHNICIAN: D. Mazumdar **DATE COMPLETED:** 8/20/86

START/FINISH TIME:

DEPTH	WL	BLOW COUNTS	DESCRIPTION OF MATERIALS AND REMARKS	USCS
			Black topsoil	PT
5			Brown sand and coarse gravel cobbles at 5'	GP
10			Brown, dry sand and gravel	SP/GP
15				
20			Ssilt with gravel (brown and gray)	
25			E.O.B. - Terminated in brown clay w/some gravel	CL
30				
35				

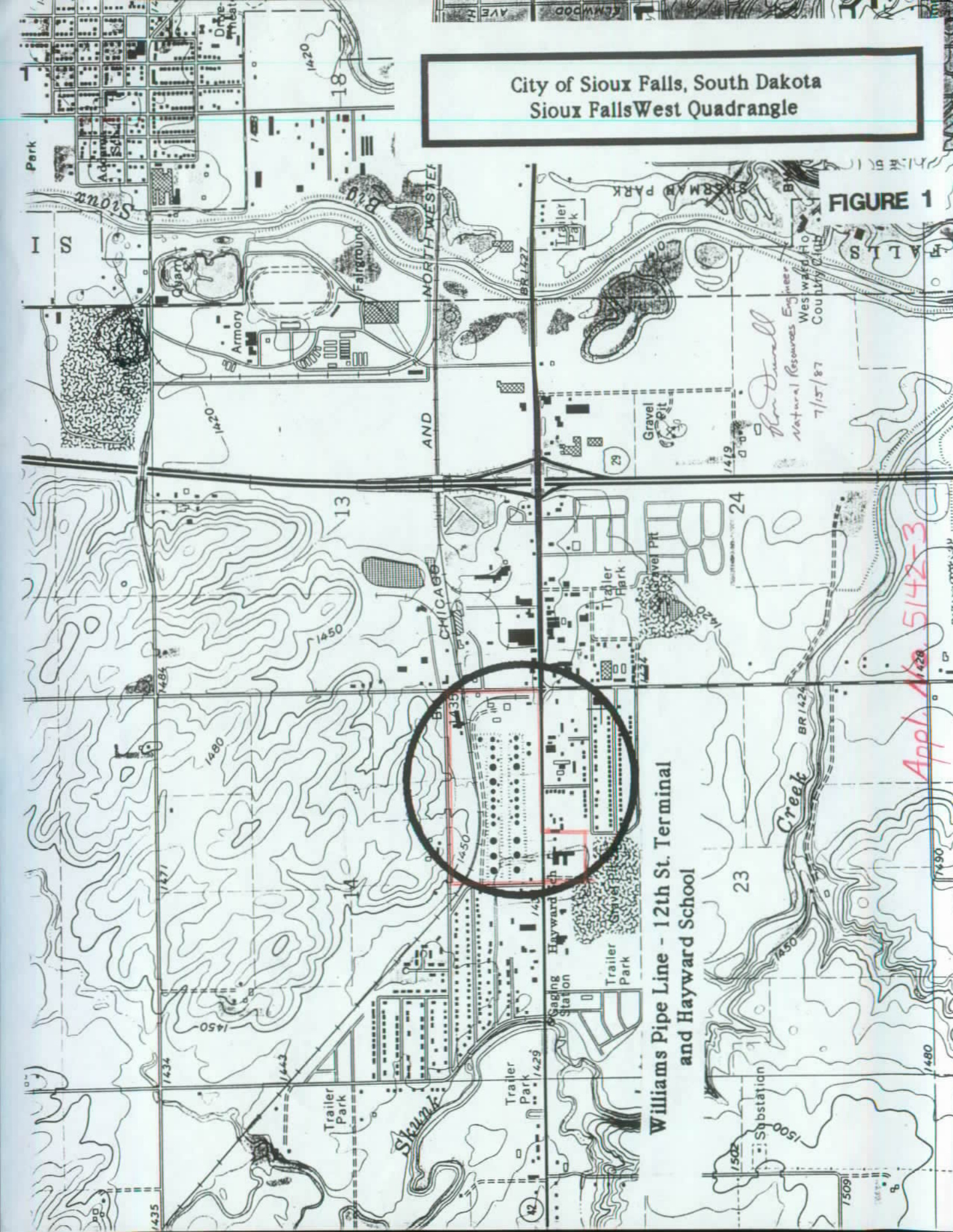
City of Sioux Falls, South Dakota
Sioux Falls West Quadrangle

FIGURE 1

Don Duvall
Natural Resources Engineer
Westward Ho
County Club
7/15/87

Williams Pipe Line - 12th St. Terminal
and Hayward School

Apply to 5142-3



RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, July 14, 1987, 19

410932

RECEIVED OF Williams Pipe Line Company, RXX c/o Dennis J. Thebeau, 705 E. 41st Suite 180
the following amount in fees for services rendered as provided for by law: Sioux Falls SD 57109

Fee for Application for Permit No. <u>5142-3</u> to Appropriate Water, to construct works and to put water to beneficial use	250	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	250 00

By

John Hatch

Chief Engineer

JOHN HATCH

MS

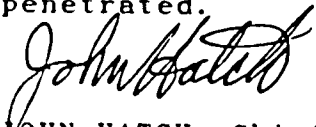
REQUEST FOR A VARIANCE FROM CHAPTER 74:02:04

SOUTH DAKOTA WELL CONSTRUCTION STANDARDS

Pursuant to Section 74:02:04:75 of the South Dakota Well Construction Standards, the following is the decision of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning the request for a well construction variance by Bay West Inc., License No. 533.

The Chief Engineer grants Approval of the request for a variance as follows:

1. Bay West Inc. requests a variance from South Dakota Well Construction Standard 74:02:04:28, which requires 20 lineal feet of casing pressure grouted with neat cement.
2. Bay West requests the well variance for 2 wells, to be constructed as shown by Figure 2 and 3 of their request. These wells are to be completed at a depth of 20 feet or less.
3. The intent is to install recovery wells in the Big Sioux-North Aquifer (under water table condition) to begin recovery of hydrocarbons.
4. Bay West Inc. already has installed monitoring wells under variance requests No. 14 and 21.
5. Bay West Inc. will provide completion reports to the Division of Water Rights for the completed wells.
6. At such a time as the wells are abandoned, the wells shall be plugged pursuant to 74:02:04:67, and plugging records provided to the Division of Water Rights.
7. No confining layers may be penetrated.


JOHN HATCH, Chief Engineer
Water Rights Division
February 10, 1987

Variance No. 22



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

WATER RIGHTS DIVISION
(605) 773-3352

March 13, 1987

Phil Gustafson
Bay West Inc.
800 N. Grotto St.
St. Paul, MN 55104

Dear Mr. Gustafson:

Enclosed are the Water Permit Applications as you requested on our March 12, 1987 phone conversation.

I have also enclosed a "Request for Temporary Permit" form. The temporary permit will authorize continuance of current clean-up operations until the water permit application is considered by the Water Management Board.

Please contact us if you have any questions.

Sincerely,

Ron Duvall
Natural Resources Engineer

RD:ms
Enc.



May 28, 1987



Department of Water & Natural Resources
Water Rights Division
Joe Foss Building
Pierre, SD 57501

Gentlemen:

Attached is the pertinent information required along with two applications for permits to use public waters near our Sioux Falls 12th Street terminal. Also attached is a check for \$275, which is to cover the filing fees required for each application.

If you have any questions concerning this matter, please contact me.

Very truly yours,

Dennis J. Thebeau
District Manager

DJT:vg

Enc.

cc: Jim Berg, Bay West



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

WATER RIGHTS DIVISION
(605) 773-3352

June 9, 1987

Dennis Thebeau
Williams Pipeline Company
705 E. 41st Street
Sioux Falls, South Dakota 57105

Dear Mr. Thebeau:

This letter is in response to the permit application received on June 8, 1987 to appropriate 0.4 cfs from the Skunk Creek Aquifer. The following information is needed to complete the application:

1. According to the project description, up to 20 recovery wells may be drilled and be pumped at 1 to 10 gpm. Therefore the maximum pumping capacity could be 200 gpm which is 0.44 cfs (322 acre-feet annually). Question No. 2 on the enclosed application needs to be changed to 0.44 cfs.
2. The application fee for 0.44 cfs (322 acre-feet annually) is \$250.00. Enclosed is your check for \$275.00. Please return the correct fee of \$250.00.
3. The well information on the enclosed Form 2A, Supplemental Information, needs to be completed and returned to complete the application.

Please correct the application, return the correct fee and submit the Form 2A to complete the permit application. The application cannot be processed until all necessary information is received. Please contact us if you have any questions.

Sincerely,

Ron Duvall
Natural Resources Engineer

RD:ms
Enc.



July 10, 1987



Mr. Ron Duvall
Natural Resources Engineer
Water Rights Division
Department of Water and Natural Resources
Joe Foss Building
523 E. Capitol Ave.
Pierre, SD 57501

Dear Mr. Duvall:

Per your letter dated June 9, 1987, attached is a corrected application for a water use permit, along with the information on local wells that you requested. Also included is a check for \$250 to cover the application filing fees.

If you have any questions or need additional information, please contact me.

Sincerely,

Dennis J. Thebeau
District Manager - F

DJT:ajk

Enc.

cc: Jim Berg, Bay West

REPORT ON APPLICATION NO. 5142-3
WILLIAMS PIPELINE COMPANY
July 28, 1987

This application proposes to appropriate 0.44 cfs from up to 20 recovery wells ranging in depth from 10 to 35 feet deep and to be located in the S 1/2 SE 1/4 of Section 14; NW 1/4 NW 1/4 NE 1/4 of Section 23; all in T101N, R50W in Minnehaha County. Contaminated groundwater is to be pumped from the wells pretreated on site and then discharged to the City of Sioux Falls sewage system. The Division of Environmental Quality and the City of Sioux Falls are monitoring this situation.

Aquifer - Big Sioux-Southern Skunk Creek (BS-SSC)

The Big Sioux-Southern Skunk Creek is a Wisconsin age outwash (sand and gravel) and alluvium. The aquifer is predominantly under water table conditions. This area has been extensively studied by DWNR (Iles, Etal, 1987), Williams Pipeline and their consultant, Bay West, Inc., because of the contamination. Briefly, the geology of the site can be described as outwash ranging in thickness from 0-27 feet at or near the land surface (a recharge area) underlain by a clay layer of unknown thickness or areal extent. In a review of area domestic logs and permit files, (Water Rights Division, 1987) it appears the clay layer is not persistent away from the spill site. In fact, test hole logs indicate outwash directly overlying Sioux Quartzite to the east of this site and the saturated thickness of the outwash increasing both to the south and east. The direction of groundwater movement is generally south-southeast through the area.

The diversion points for this application are located on the northern edge of the aquifer (Ellis, 1965). The saturated thickness of the aquifer is relatively thin (a few feet to approximately 20 feet) and may be capable of producing only a few gallons per minute. The application indicates that the production wells are expected to produce from 1 to 10 gpm. The purpose of these wells is to attempt to recover contaminated water (aquifer clean-up) and to prevent the contaminated water from moving out of the area. Although this is a worthwhile objective, the chance of complete clean-up is very remote. The recovery will take years to accomplish and contaminated water will move out of the area.

Historical water level data is limited to one observation well, MA-80Y, (Observation Well Files, 1987). Water levels in this well respond quickly to precipitation event (recharge) and in general have been high the last few years due to unusually wet years. The observation well is located less than 1/2 mile west of the proposed diversion points for this application.

The BG-SSC Management Unit contains 32,010 acre-feet of recoverable water and underlies 9,700 acres (Hedges, 1982). Recharge can be extremely variable from year to year and could vary between 2.7 to 6.9 inches per year (2200 to 5600 acre-feet per year). The perception is that the aquifer will accept recharge quickly when available and is limited more by the total storage capacity than by the rate of recharge.

Review of Existing Water Permits

There are numerous existing water permits and domestic wells in this area. Williams Pipeline has included a list of well owners in the area with the application. According to Williams Pipeline, there are 8 existing wells within 200 feet of the proposed recovery wells. No geologic data was provided with this list to determine the producing formation.

The following is a list of water permits in this area. A sketch map showing the diversion points is also included.

Permit No.	Owner	Diversion Rate	Use	Well Depth	Aquifer
368-3	R. Bruns	1.38	irr	gravel pit	Big Sioux-SSC
			(97 acres)		
404-3	Westward Ho	2.70	irr	35'	Big Sioux-South
			(223 acres)		
995-3	Greenlee Packing Co.	1.00	ind	580'	Sioux Quartzite
T 995A-3	Pam Oil Inc.	0.40	geo	351'	Sioux Quartzite
1257-3	Greenlee Packing Co.	1.70	ind	348'	Sioux Quartzite
1767-3	Meilman Food Ind.	0.11	com	273'	Sioux Quartzite
2095-3	C. Weeg	0.33	com	40', 60'	Big Sioux-SSC
2304-3	Weeg Trailer Park	0.02	com	35', 35'	Big Sioux-SSC
2305-3	D. Weeg	0.18	com	60', 45'	Big Sioux-SSC
4159-3	D. Weeg	0.67	com	55', 65'	Big Sioux-SSC
4297-3	Holiday Mobile Park	0.06	com	146', ?	unknown
4463-3	Pine Knoll Inc.	0.02	com	35'	Big Sioux-SSC
4913-3	Tower Tourist Camp	0.11	com	40'	Big Sioux-SSC
5019-3	Midwest Lawn Care Corp.	0.23	com	40'	Big Sioux-SF
5028-3	Dale Olson	0.10	com	199', 230'	Sioux Quartzite

* 449-3 City of Sioux Falls - This is a future use permit that reserved 15.6 cfs for the City of Sioux Falls. A small portion of Permit Application No. 5142-3 (section 23) is located within the future use area for Sioux Falls.

T The Pam Oil Inc. Permit NO. 995A-3 uses the well originally drilled for Greenlee Packing Co. I am not sure if any of the Greenlee Packing or Meilman Foods wells are used anymore.

Conclusions

1. Water is available from the BS-SSC Aquifer.
2. Interference with existing water permits is not likely. Drawdowns caused by pumping at these rates will extend at best only a few 10's of feet to possibly a hundred feet. Data is not available to access this estimate and realistically the wells need to be installed, pumped and monitored to determine the actual effects.
3. Williams Pipeline has installed 5 recovery wells and is pumping them. They have been issued a temporary use permit effective June 9, 1987 for 432,000 gallons per day maximum use. This was done to expedite the recovery operations and at the same time the Division of Water Rights requested that Williams file for a permanent permit.
5. There are numerous domestic wells in the area. I believe there will be interference between the recovery wells and nearby domestic wells, however, this should not be adverse. However, the contamination is adverse. If this remedial action is not taken, the contamination of the aquifer would require these wells to be abandoned as a source of domestic water supply.
6. The nature and size of the contaminated area coupled with the natural direction of water movement has the potential to impact a large area and to render down gradient portions of the aquifer useless as a potential or existing drinking water source.
7. Groundwater levels have been unnaturally high the past 2-3 years. As the water levels drop in response to dry weather the recovery rates will also decline.
8. Issuance of the permit would grant Williams Pipeline a variance from South Dakota Well Construction Standards 74:02:04:28. The wells can not be completed in accordance with the rules.


JAMES GOODMAN
Hydrologist

Bibliography

- Ellis, M.J., D.G. Adolphson, 1965, Hydrogeology of the Glacial Drift in the Skunk Creek-Lake Madison Drainage Basin Southeastern South Dakota, USGS Hydrologic Investigations Atlas HA-195, Washington D.C.
- Hedges, L.S., S. L. Burch, D. L. Iles, R. A. Barari, R. A. Schoon, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, For US Army Corps of Engineers, DWNr, SDGS, Vermillion SD 57069.
- Iles, D.L., Etal, 1987, Assessment of Hydrogeologic and Ground-Water Contamination Data in the Vicinity of the Haywood Elementary School, West 12th Street, Sioux Falls, South Dakota.
- Observation Well Files, 1987, Records for MA-80Y, DWNr, Division of Water Rights, Joe Foss Building, Pierre SD 57501.
- Water Rights Division, 1987, Domestic Well Log and Permit Files, DWNr, Division of Water Rights, Joe Foss Building, Pierre SD 57501.

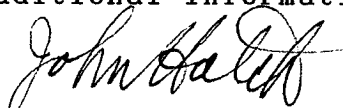
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5142-3

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5142-3, Dennis Thebeau, Williams Pipeline Co., 705 E 41 St, Sioux Falls SD.

The Chief Engineer is recommending APPROVAL of Application No. 5142-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversions 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 wells 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. Approval of this Permit authorizes well construction pursuant to Variance No. 22 from Section 74:02:04:28 of the Well Construction Standards.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
July 29, 1987

SKETCH - WILLIAMS PIPELINE APPLICATION NO. 5142-3 AND OTHER WATER PERMITS



Instruction to Newspaper - Publish first publication of the following Notice on or before August 12, 1987 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5142-3 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No. _____~~

Notice is hereby given that Williams Pipeline Company, c/o Dennis Thebeau
705 E. 41st Street, Sioux Falls, South Dakota has made an application for a permit

to appropriate 0.44 cubic feet of water per second from up to 20 recovery wells (Big Sioux-Southern Skunk Creek) 10 to 35 feet deep to be located in the S₁SE₄ Section 14; NW₁NE₄ Section 23; all in T10N-R50W. The gasoline contaminated groundwater is to be removed and treated for disposal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends **APPROVAL** of Application No. 5142-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, September 9 19 87 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 28, 1987. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 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; ~~(ground)~~ 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; ~~(future use)~~ 46-5-38 thru 46-5-40; ~~(transfer lands)~~ 46-5-30.4, 46-5-33 thru 46-5-35; ~~(10,000 AFA)~~ 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; ~~(future use)~~ 74:02:01:24 thru 74:02:01:25; ~~(10,000 AFA)~~ 74:02:01:15.02 thru 74:02:01:15.05.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 28, 1987.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Minnehaha) ss.

I, R. Deutscher hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Argus Leader

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 Sioux Falls

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

August 12 and August 19, 1987

R. Deutscher
(Signature)

Controller
(Title)

8/19/87
(Date Signed)

Cost of Printing: \$ 83.90



NOTICE OF HEARING on
Application No. 5142-3 to
Appropriate Water

Notice is hereby given that Williams Pipeline Company, c/o Dennis Thebeau, whose mailing address is 705 E. 41st Street, Sioux Falls, South Dakota has made an application for a permit to appropriate 0.44 cubic feet of water per second from up to 20 recovery wells (Big Sioux-Southern Skunk Creek) 10 to 35 feet deep to be located in the S1/2SE1/4 Section 14; N1/2NW1/4NE1/4 Section 23; all in T10N-R15W. The gasoline contaminated groundwater is to be removed and treated for disposal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL OF Application No. 5142-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, September 9, 1987 at 10:00 am. The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 28, 1987. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15, 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; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg., Pierre, SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 28, 1987.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

NOV 3 1987

Williams Pipeline Company
705 E. 41st Street
Sioux Falls, South Dakota 57105

Dear Sir:

Enclosed herewith is your Water Permit No. 5142-3 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 5142-3.

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 your Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ms

enclosure

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.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 8, 1992

Linda Nichols
Williams Pipeline Company
2728 Patton Road
St. Paul, MN 55113

Dear Ms. Nichols:

Per our phone conversation regarding Water Permit No. 5142-3 for the recovery and supply wells at Williams Pipeline in Sioux Falls, SD, enclosed you will find a Completion of Works form. Please complete the form and return it to me. In addition, please send all updated information on water use from each well in gallons per minute (gpm), a map with all the well locations, and if possible, please include section line boundaries and landmarks.

Your immediate response is appreciated, and if you have any questions, please feel free to contact me.

Sincerely,

Gregory C. Johnston
Natural Resources Engineer II
Water Rights Division
(605) 773-3352

encl

Permit No. 5142-3

Big Sioux River Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Division of Water Rights, DENR, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by Williams Pipeline Co. of 705 E. 41st St., Sioux Falls, SD 57105 holder of Permit No. 5142-3, bearing the priority of June 8, 1987 authorizing the diversion of 0.44 cu. ft. per second of the waters of the Big Sioux - Southern Skunk Creek Aquifer for industrial - hydrocarbon recovery from groundwater purposes, in Minnehaha County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

17 wells - 6 wells are Recovery wells (RW) and 11 wells are Soluble Recovery Wells (SRW); Well depths range from 10 to 35 feet. RW wells have 10" casing except RW-4 which is 12" with casing lengths from 7 to 17.5 feet, casing is black pipe or steel. SRW wells 1-4 have 4" casing and SRW wells 5-11 have 6" casing, casing lengths vary from 3 to 12 feet, casing is black pipe or steel. All RW and SRW wells have stainless steel screen varying in length from 8 to 10 feet, slot sizes vary from .040 to .050 in RW wells and .030, .040 and .050 in SRW wells. RW-4 has a Grundfos pump, Model No. SP8-15, 10", 15 stages, 18 GPM with a Franklin Motor, Model No. unknown, 5 HP. RW-5 has a Gundfos pump, Model No. SP8-5, 10", 5 stages, 40 GPM with a Franklin Motor, Model No. unknown, 1HP

B. Works used to transport water to place of use:

~6000' of 2" PVC, 6' of 6" PVC and 15' of 8" PVC (all PVC is schedule 80)

C. Works used to apply water to beneficial use:

Hydrocarbon Collection and Groundwater Remediation system

The system is in the following condition excellent. The points of diversion are located:

6 Recovery Wells (RW)- RW-1 is 100'W and 400'N, RW-2 is 2240'W and 200'N, RW-3 is 80'W and 200'N, RW-5 is 100'W and 1048'N and RW-6 is 60'W AND 160'N; all from the SE corner of Section 14-T101N-R50W. RW-4 is 2300'W and 180'S of the NE corner of Section 23-T101N-T50W.

Bur

Eleven Soluble Recovery Wells (SRW) - SRW-1 is 2320'W and 360'N, SRW-2 is 2340'W and 88'N, SRW-3 is 2350'W and 192'N and SRW-4 is 2220'W and 80'N; all from the SE corner of Section 14-T101N-R50W. SRW-5 is 2120'W and 580'S, SRW-6 is 2020'W and 544'S, SRW-7 is 1904'W and 440'S, SRW-8 is 1840'W and 380'S, SRW-9 is 2080'W and 568'S, SRW-10 is 1950'W and 484'S and SRW-11 is 1850'W and 400'S; all from the NE corner of Section 23-T101N-R50W. (Bn)

The works are capable of diverting and conveying to the place of use 0.13 cu. ft. per second of water which is to be used for hydrocarbon recovery and groundwater remediation.

Water has been put to beneficial use. The license should be issued for 0.13 cfs.

Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: None

Date 11/4/92



Gregory C. Johnston
Natural Resources Engineer
DENR, Water Rights Division

REPORT ON INSPECTION OF PERMIT NUMBER 5142-3

DATE 11/4/92

Other permit(s) associated with the project 5346-3

DIVERSION POINT LEGAL LOCATION: 6 Recovery Wells (RW)- RW-1 is 100'W and 400'N, RW-2 is 2240'W and 200'N, RW-3 is 80'W and 200'N, RW-5 is 100'W and 1048'N and RW-6 is 60'W AND 160'N; all from the SE corner of Section 14-T101N-R50W. RW-4 is 2300'W and 180'S of the NE corner of Section 23-T101N-T50W. Eleven Soluble Recovery Wells (SRW) - SRW-1 is 2320'W and 360'N, SRW-2 is 2340'W and 88'N, SRW-3 is 2350'W and 192'N and SRW-4 is 2220'W and 80'N; all from the SE corner of Section 14-T101N-R50W. SRW-5 is 2120'W and 580'S, SRW-6 is 2020'W and 544'S, SRW-7 is 1904'W and 440'S, SRW-8 is 1840'W and 380'S, SRW-9 is 2080'W and 568'S, SRW-10 is 1950'W and 484'S and SRW-11 is 1850'W and 400'S; all from the NE corner of Section 23-T101N-R50W.

WELL INFORMATION: Well Drilling Firm Bay West/Lacey Drilling

No. of Wells 17 Depth(s) from 10 to 35'

a) Casing:

1) diameter RW wells 10", except RW-4 is 12", SRW wells 1 through 4 are 4" SRW wells 5-11 are 6" inches

2) length RW wells are 7 to 17.5 feet and SRW wells are 3 to 12 feet

3) type Steel and black pipe

b) Screen:

1) type all stainless steel RW wells are .040 and .050 slot; SRW wells are .030, .040 and .050 slot sizes

2) length all RW and SRW wells are 8 to 10 feet

c) Pump

1) make RW-4 and RW-5 both have Grundfos pumps (Only RW-4 and 5 have pumps and motors now)

2) model RW-4 is SP8-15, RW-5 is SP8-5

3) size both 10 inches

4) capacity 18/40 GPM

5) turbine pump - No. of stages 15/5

6) operating pressure unknown PSI

d) Static Water Level varies from 10 to 24 feet in all wells

e) Motor:

1) make Franklin in both RW-4 and RW-5

2) model No. unknown

3) horsepower rating 5/1 hp

DISTRIBUTION LINES OR CANALS:

a) type ~6000' of 2" PVC, 6' of 6" PVC and 15' of 8" PVC (all PVC is schedule 80)

System Type:

Hydrocarbon Recovery and Groundwater Remediation System

CHEMIGATION EQUIPMENT:

a) does chemigate N (Y/N)

PERMIT QUALIFICATIONS AND REGULATIONS:

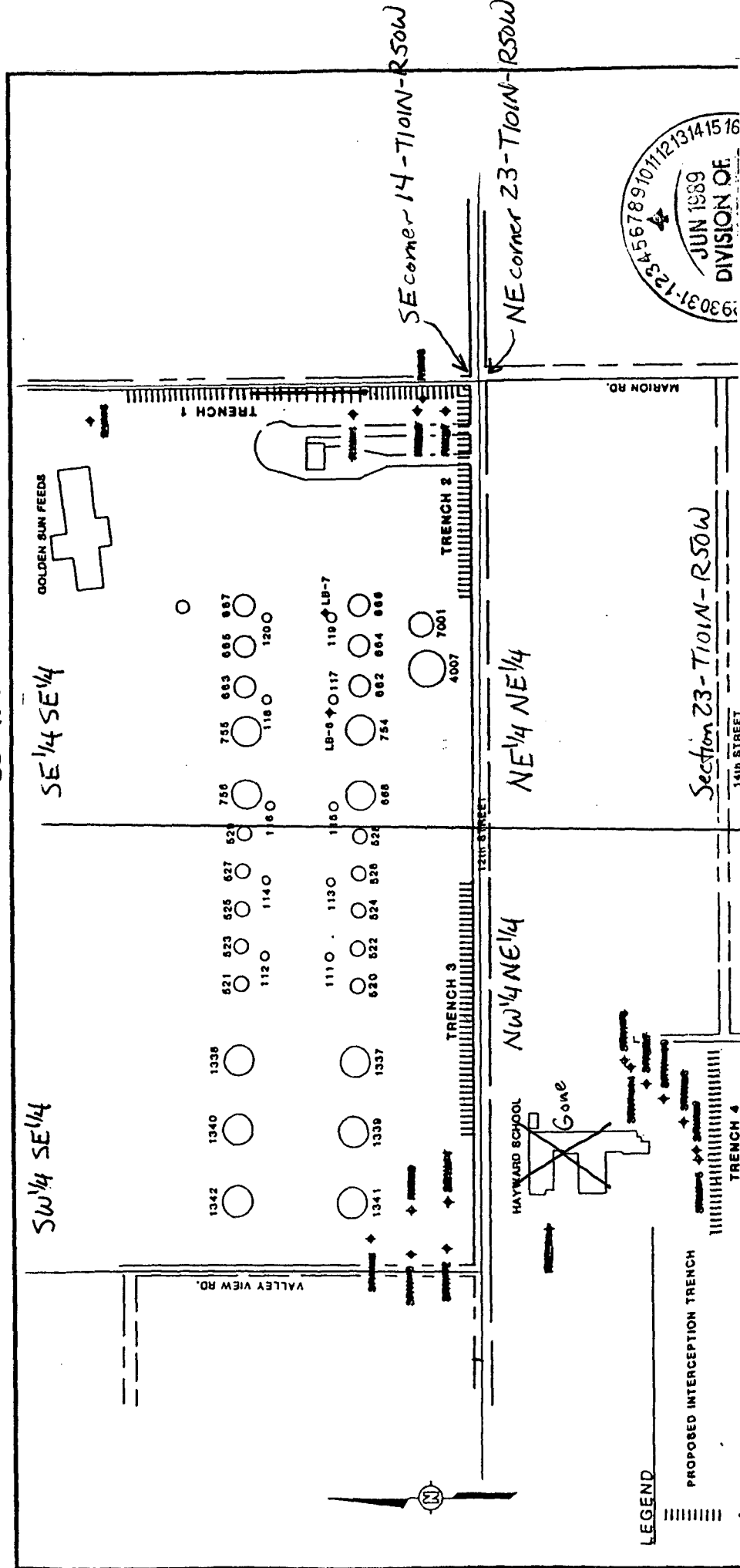
a) Soil and water permit lands agree with lands being irrigated and lands listed on permit N/A (Y/N)

b) Special qualifications to permit being abided by Y (Y/N)

c) All structures, wells and lands on map Y (Y/N)

d) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A (Y/N)

Section 14-T101N-R50W



JUN 1989
DIVISION OF

DIVERSION POINT LEGAL LOCATION: 6 Recovery Wells (RW) - RW-1 is 100'W and 400'N, RW-2 is 2240'W and 200'N, RW-3 is 80'W and 200'N, RW-4 is 100'W and 1048'N and RW-6 is 60'W AND 160'N; all from the SE corner of Section 14-T101N-R50W. RW-4 is 2300'W and 180'S of the NE corner of Section 23-T101N-R50W. Eleven Soluble Recovery Wells (SRW) - SRW-1 is 2320'W and 360'N, SRW-2 is 2340'W and 88'N, SRW-3 is 2350'W and 192'N and SRW-4 is 2220'W and 80'N; all from the SE corner of Section 14-T101N-R50W. SRW-5 is 2120'W and 580'S, SRW-6 is 2020'W and 544'S, SRW-7 is 1904'W and 440'S, SRW-8 is 1840'W and 380'S, SRW-9 is 2080'W and 568'S, SRW-10 is 1950'W and 484'S and SRW-11 is 1850'W and 400'S; all from the NE corner of Section 23-T101N-R50W.

No. 5142-3

Williams Pipeline

Drawn by:

Gregory C. Johnston
12/17/92
Gregory C. Johnston
Division of Water Rights, DENR



Professional Ground Water Consultant
Hamlet Professional Building
4001 Vaihalla Boulevard, Suite 102
Stout Falls, SD 57106
605-361-4000

DATE: MAY 1989

FIGURE 1



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 25, 1992

Linda Nicols
Williams Pipeline Co.
2728 Patton Road
St. Paul, MN 55113

Dear Ms. Nicols:

I am writing for additional information regarding the recovery and supply wells at Williams Pipeline in Sioux Falls (Water Permit No. 5412-3). After searching the well completion report files, I was unable to find the well log and completion reports for Recovery Well (RW) Nos. 1,2,3, and 5. There are 7 recovery wells and 11 Supply and Recovery Wells (SRW). I need to know which are currently being used and the amount of water being pumped from each well. In addition, I need the following information for all the Recovery (RW) and Supply and Recovery (SRW) wells:

Pump make and model No., size, No. of stages, capacity and pressure for the pumps placed in each of the wells.

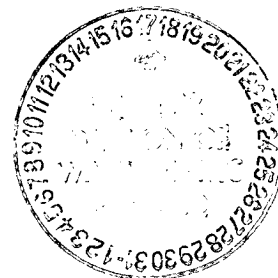
Finally, please sign and submit the Completion of Works form enclosed (if no further construction is planned) in order that the Water License can be completed for Water Permit No. 5142-3.

Thank you for your time, and if you have any questions please feel free to contact me.

Sincerely,

Gregory C. Johnston
Natural Resources Engineer II
Water Rights Division
(605) 773-3352

encl

**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**Date December 8, 1992

TO: Water Rights Division, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM: John Haldiman Williams Pipeline Company, 2728 Patton Rd.
(name) (address)
St. Paul MN 55113 (612) 633-1555
(city) (state) (zip) (phone)

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. 5412-3.
(5412-3)

Water Permit No. 5412-3 states that the diversion system is to be constructed by September, 1989, and that the water is put to beneficial use by
(date)
November, 1989.
(date)

The diversion system was completed on September, 1989.
(date)

Applying the water to beneficial use was completed on November, 1989.
(date)

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

John N. Haldiman
(signature)

2728 PATTON ROAD
ST. PAUL, MN 55113

December 15, 1992



**South Dakota Department of
Environment and Natural Resources**

Attn: Gregory C. Johnston
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

**Re: Application of Water to Beneficial Use - Permit No. 5142-3
Williams Pipe Line Company - Sioux Falls, SD**

Dear Mr. Johnston

Enclosed is the information that you requested in a letter dated November 25, 1992 addressed to Linda Nichols of Williams Pipe Line Company (WPL). The information was requested in order to complete the Water License for Water Permit No. 5142-3.

Please direct all future correspondences regarding WPL's Sioux Falls site to myself. Linda Nichols is no longer responsible for this site.

If you have any question please call me at 612-633-1555.

Very Truly Yours

John W. Haldeman

John N. Haldiman
Environmental Engineer

Enclosure

cc: Jason Huso

WPL - DOMESTIC WELL SURVEY (LOCAL BUSINESSES)

BUSINESS NAME	ADDRESS	CITY	STATE	ZIP
APCO GET 'N GO #1	4610 W. 12TH ST.	SIOUX FALLS	SD	57107
✓ BARBER TRANSPORTATION	200 S. MARION RD.	SIOUX FALLS	SD	57107
BONUS GAS-APCO	6301 W. 12TH ST.	SIOUX FALLS	SD	57106
✓ DARRYL'S AUTO TRUCK BODY	401 VALLEY VIEW ROAD	SIOUX FALLS	SD	57107
FAMILY MEMORIALS	5000 W. 12TH ST.	SIOUX FALLS	SD	57107
✓ FRIENSSSEN CONST.	601 MARION RD.	SIOUX FALLS	SD	57106
GOLDEN SUN FEEDS	101 S. MARION RD	SIOUX FALLS	SD	57107
HAPPY HOME SUPER CENTER	5701 W. 12TH ST.	SIOUX FALLS	SD	57106
HAYWARD SCHOOL	6001 W. HIGHWAY 42	SIOUX FALLS	SD	57106
KOLMAN DIVISION-ATHEY PROD	5100 W. 12TH ST.	SIOUX FALLS	SD	57101
K.W. MFG CO. INC.	800 S. MARION RD.	SIOUX FALLS	SD	57106
LIPETZKY & SON POWER PRO.	5212 W. 12TH ST.	SIOUX FALLS	SD	55107
MARION ROAD PLAZA	701-709 S. MARION RD.	SIOUX FALLS	SD	57106
✓ MATSEN IMPLEMENT CO.	56W. 12TH ST.	SIOUX FALLS	SD	57106
MIDWEST TRUCK SALES	500 S. MARION RD.	SIOUX FALLS	SD	57101
✓ OLSEN MARINE	5513 W. 12TH ST.	SIOUX FALLS	SD	57106
PFEIFERS	5301 W. 12TH ST.	SIOUX FALLS	SD	57106
RICH BROS CO.	700 S. MARION	SIOUX FALLS	SD	57106
SHOP 'N EAT	5112 W. 12TH ST.	SIOUX FALLS	SD	57107
STAN HOUSTON EQUIP	501 S. MARION RD.	SIOUX FALLS	SD	57101
SUNSET MOTEL	5213 W. 12TH ST.	SIOUX FALLS	SD	57106
S.C.I. MANU. SUPPLY COMP.	5501 W. 12TH ST.	SIOUX FALLS	SD	57106
THE KITCHEN	5114 W. 12TH ST.	SIOUX FALLS	SD	57107
✓ TIGER CORP	220 S. MARION RD.	SIOUX FALLS	SD	57107
TORNADO IMPRINTED SPORTSWR.	5208 W. 12TH ST.	SIOUX FALLS	SD	57107
✓ TRANSPORT, INC.	100 S. MARION RD.	SIOUX FALLS	SD	57107
T.D.S. AUTO REPAIR	5309 W. 15TH ST.	SIOUX FALLS	SD	57106
WESTERN LOCKERS	5108 W. 12TH ST.	SIOUX FALLS	SD	57107
WESTWICK MOTEL	5801 W. 12TH ST.	SIOUX FALLS	SD	57106
WHEELCO BRAKE	4904 W. 12TH ST.	SIOUX FALLS	SD	57107

Note: checks denote businesses
and residences that have
wells that are or may
be within 200 ft of our
recovery wells

WPL - DOMESTIC WELL SURVEY (LOCAL RESIDENCES)

PROPERTY OWNER	ADDRESS	CITY	ST	ZIP
RICHARD ENGLES	201 VALLEY VIEW RD.	SIOUX FALLS	SD	57106
ED ZAHRENHUSEN	4604 W. 12TH ST.	SIOUX FALLS	SD	57106
RAYMOND GRENZ	501 S. DODGE ST.	SIOUX FALLS	SD	57106
MERL WYANT	5400 W. 15ST.	SIOUX FALLS	SD	57106
MAX WALTERS	5404 W. 15TH ST.	SIOUX FALLS	SD	57106
ALICE VANDERLINDEN	5404 W. 16TH	SIOUX FALLS	SD	57106
A.R. SCHIPPER	5405 W. 15TH ST.	SIOUX FALLS	SD	57106
DENNIS LEARNING	5409 W. 15TH ST.	SIOUX FALLS	SD	57106
EUGENE STYLAS	5412 W. 16TH	SIOUX FALLS	SD	57106
ED KINDVALL	550 W. 16TH.	SIOUX FALLS	SD	57106
PRESTON WOBBERMA	5500 W. 14TH ST.	SIOUX FALLS	SD	57106
GREG WALSH	5500 W. 15TH ST.	SIOUX FALLS	SD	57106
DONALD TRETZ	5501 W. 14TH ST.	SIOUX FALLS	SD	57106
JIM HILLESTAD	5501 W. 15TH ST.	SIOUX FALLS	SD	57106
DON MCKENLLY	5501-5503 MCKENLLY DR.	SIOUX FALLS	SD	57106
B.L. MCKENLLY	5504 S. MCKENLLY DRIVE	SIOUX FALLS	SD	57106
MICHAEL ATWOOD	5505 W. 14TH ST.	SIOUX FALLS	SD	57106
LEIGHTON HANSON	5505 W. 15TH ST.	SIOUX FALLS	SD	57106
GARY HIRDT	5508 W. 16TH ST.	SIOUX FALLS	SD	57106
GEORGE SWEENEY	5509 W. 14TH ST.	SIOUX FALLS	SD	57106
G.W. WHEELER	5512 W. 15TH ST.	SIOUX FALLS	SD	57106
DALE BAUER	5512 W. 16TH ST.	SIOUX FALLS	SD	57106
PAT SHANNON	5513 W. 15TH ST.	SIOUX FALLS	SD	57106
ROBERT SCHWEBACH	5516 W. 16TH.	SIOUX FALLS	SD	57106
VICTOR NEUROTH	5600 W. 14TH ST.	SIOUX FALLS	SD	57106
JERAME ZIEGENBALG	5600 W. 15 ST.	SIOUX FALLS	SD	57106
MERRILEE HOOSER	5601 W. 15TH ST.	SIOUX FALLS	SD	57106
RODNEY THOMPSON	5604 W. 15TH ST.	SIOUX FALLS	SD	57106
BOB SARUTZKI	5605 W. 15TH ST.	SIOUX FALLS	SD	57106
BRUCE TORDOLL	5612 W. 14TH ST.	SIOUX FALLS	SD	57106
DIANE ZERFAS	5612 W. 16TH ST.	SIOUX FALLS	SD	57106
CLAYTON HEGSETH	5613 W. 14TH ST.	SIOUX FALLS	SD	57106
AL TENNESSEN	5613 W. 15TH ST.	SIOUX FALLS	SD	57106
GEORGE DAMMER	5616 W. 16TH.	SIOUX FALLS	SD	57106
JACK BUAFRIGHT	5620 W. 16TH.	SIOUX FALLS	SD	57106
GREG BOGGS	5700 W. 14TH ST.	SIOUX FALLS	SD	57106
N. & D. VARNIS	5700 W. 15TH ST.	SIOUX FALLS	SD	57106
LEONA CLAYMORE	5700 W. 16TH.	SIOUX FALLS	SD	57106
GARY FITZGERALD	5701 W. 14TH ST.	SIOUX FALLS	SD	57106
GLEN MUTZE (GRIMM RENTERS)	5701 W. 15TH ST.	SIOUX FALLS	SD	57106
MARVIN TIGGELAAR	5705 W. 14TH ST.	SIOUX FALLS	SD	57106
HERBERT SHEPPARD	5705 W. 15TH ST.	SIOUX FALLS	SD	57106
CARNEY WALTER	5708 W. 14TH ST	SIOUX FALLS	SD	57106
ELSON TIGGELAAR	5708 W. 15TH ST.	SIOUX FALLS	SD	57106
SANDRA VOLD	5708 W. 16TH ST.	SIOUX FALLS	SD	57106
MARVIN REDENIUS	5709 W. 15TH ST.	SIOUX FALLS	SD	57106
DORIS BLACK	5712 W. 14TH ST.	SIOUX FALLS	SD	57106
STEVE SHARP	5712 W. 16TH ST.	SIOUX FALLS	SD	57106
CLEM WEBER	5716 W. 15TH ST.	SIOUX FALLS	SD	57106
CHAD KONOYS	5716 W. 16TH ST.	SIOUX FALLS	SD	57106
GRACE GILLETTE	5717 W. 15TH ST.	SIOUX FALLS	SD	57106
EUGENE LODERMEIER	5800 W. 14TH ST.	SIOUX FALLS	SD	57106
EARL WESTEGAARD	5804 W. 15TH ST.	SIOUX FALLS	SD	57106
LEIGH ANGLIN	5804 W. 16TH.	SIOUX FALLS	SD	57106

WPL - DOMESTIC WELL SURVEY (LOCAL RESIDENCES)

PROPERTY OWNER	ADDRESS	CITY	ST	ZIP
LAVERN PATERSON	5805 W. 15TH ST.	SIOUX FALLS	SD	57106
RICHARD STURZENBECHER	5808 W. 15TH ST.	SIOUX FALLS	SD	57106
DALE PETERSON	5809 W. 15TH ST.	SIOUX FALLS	SD	57106
NELSON VOLLINK	5816 W. 15TH ST.	SIOUX FALLS	SD	57106
BRUCE WOHLWEND	5820 W. 14TH ST.	SIOUX FALLS	SD	57106
HARVEY VAN ENGEN	600-604 S. MARION	SIOUX FALLS	SD	57106
DENNIS BROWN	6204 WEST VIEW ROAD	SIOUX FALLS	SD	57106
JIM RUHAAK	6205 W. 10TH ST	SIOUX FALLS	SD	57106
JOSEPH NEILES	6208 WESTVIEW RD.	SIOUX FALLS	SD	57106
CHARLES CASTLE	6209 WEST VIEW ROAD	SIOUX FALLS	SD	57106
C. & J. WEGEHUPT	6300 WESTVIEW RD.	SIOUX FALLS	SD	57106
WILLARD JERNIGAN	6305 WEST VIEW RD.	SIOUX FALLS	SD	57106
ANDRY NAGY	6307 WEST VIEW RD.	SIOUX FALLS	SD	57106
E. MEINKE	6400 WEST VIEW RD.	SIOUX FALLS	SD	57106
MICHELLE HAGEK	6401 WEST VIEW RD.	SIOUX FALLS	SD	57106
MRS. W. ROEMELING	6404 WEST VIEW RD.	SIOUX FALLS	SD	57106

DEC 10 1992

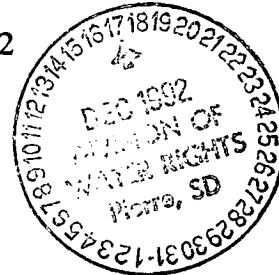
LEGGETTE, BRASHEARS & GRAHAM, INC.
PROFESSIONAL GROUND-WATER CONSULTANTS

R. G. SLAYBACK
G. SIDNEY FOX
FRANK H. CRUM
MICHAEL R. BURKE
ROBERT LAMONICA
WILLIAM K. BECKMAN
DAN C. BUZEA
J. KEVIN POWERS
W. PETER BALLEAU

VALHALLA I PROFESSIONAL BUILDING
4009 WEST 49TH STREET
SIOUX FALLS, SD 57106
605-361-6000
FAX 605-361-1117

JOHN NASO, JR.
DAVID SCOTT
JEFFREY B. LENNOX
FRANK J. GETCHELL
JOE K. BUERHOP
DAVID A. WILEY
ROBERT N. BRAUNSTEIN
JOHN I. LAFAVE
TERRANCE P. BRENNAN
DAVID M. SCHANTZ

December 8, 1992



Mr. John Haldiman
Williams Pipe Line Company
2728 Patton Road
St. Paul, MN 55113

RE: Water Permit No. 5412-3
12th Street Terminal
Sioux Falls, South Dakota

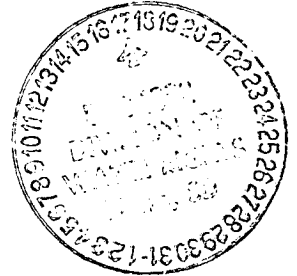
Dear Mr. Haldiman:

This is in response to the letter from the South Dakota Department of Environment and Natural Resources (SDDENR) dated November 25, 1992, requiring additional information concerning Water Permit No. 5412-3 for Williams Pipe Line Company's 12th Street Terminal in Sioux Falls, South Dakota.

The recovery system at the site consists of thirteen (13) sumps, SP-1 through SP-13, and two (2) recovery wells, RW-4 and RW-5. These sumps and recovery wells are equipped with submersible water-table depression pumps. The water-table depression pumps installed in the sumps are Grundfos 25S, 3/4 horse power (h.p.) pumps with a maximum yield of 25 gallons per minute (gpm). Recovery well RW-4 is equipped with a type SP8-15, Grundfos Pump (No. 3706) with design yields ranging between 22-53 gpm at 324-215 feet depth. Also, the water-table depression pump in RW-4 has a 240 volt, 5 h.p., 1 phase, 3 wire Franklin motor. Recovery well RW-5 has a type SP8-5, Grundfos Pump (No. 8540) with design yields ranging between 22-53 gpm at 124-71 feet depth. The water-table depression pump in RW-5 has a 230 volt, 1 h.p., 3 wire Franklin motor. All other recovery wells, including the SRWs, are not equipped with water-table depression pumps and are not operating.

Eleven of the existing thirteen sumps, and recovery wells RW-4 and RW-5 are currently being pumped. The pumping rates are as follows:

<u>SUMP NO./RW</u>	<u>PUMPING RATE (GPM)</u>
SP-1	~13
SP-2	~4
SP-3	~2
SP-4	~6
SP-5	<1
SP-6	<1
SP-7	~1
SP-8	~6
SP-9	<1
SP-10	<0.1
SP-11	~1
RW-4	~18
RW-5	~40



With the exception of RW-5, the individual pumping rates have been averaged for the period of October 24 to November 30, 1992; RW-5 was averaged for the period of October 24 to November 5, 1992. These pumping rates, however, vary. In addition, pumping pressures vary with pumping rate. Therefore, LBG did not provide the individual pump pressures.

Enclosed is the Completion of Works form provided by the SDDENR. This form is required for completion of the water license for the water permit. Your signature is required prior to submitting the form to the SDDENR. Please contact us if you need any other information regarding the completion of the Water License for Water Permit No. 5142-3.

Sincerely,

LEGGETTE, BRASHEARS & GRAHAM, INC.

A handwritten signature in cursive script that reads "Satya Sinha".

Satya Sinha
Hydrogeologist

SS:llk
December 8, 1992
wplsfls/permit



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 11, 1993

5142-3

John Haldiman
Williams Pipeline Company
2728 Patton Road
St. Paul, MN 55113

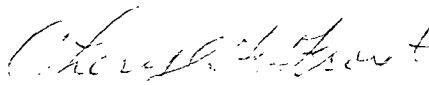
Dear Mr. Haldiman:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 5142-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,


Cheryl F. Frost
Secretary
Water Rights Division
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

RECEIPT

413932

Division of Water Rights

South Dakota Department of Environment and Natural Resources

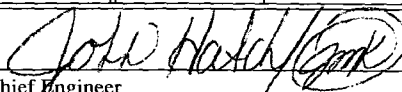
Pierre, _____ November 3, 19 93

RECEIVED OF Williams Pipe Line Co., PO Box 3448, Tulsa, OK 74101

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
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. <u>5142-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By 
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 4, 1993

5142-3 ✓
5742-3

John Haldiman
Environmental Engineer
Williams Pipeline Company
2728 Patton Road
St Paul, MN 55113

Dear Mr. Haldiman:

As we discussed by telephone, the \$50.00 fee you submitted for licensing purposes, has been credited to Water Permit No. 5142-3. The fee was requested in our letter to you dated August 11, 1993.

In your letter of October 28, 1993, you indicated the check was to cover payment of fees for Permit No. 5742-3. The system permitted under No. 5742-3 has not been inspected for licensing purposes. A \$50.00 fee for inspection and licensing of Permit No. 5742-3 will be requested **after** the inspection has been conducted.

Water License No. 5142-3 will be issued and sent to you in the near future. If you have any questions, please contact me.

Sincerely,

Genny McMath
Natural Resources Analyst
Water Rights Division
(605) 773-3352



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

DEC 23 1993

5142-3

John Haldiman
Williams Pipeline Company
2728 Patton Road
St. Paul, MN 55113

Dear Mr. Haldiman:

Enclosed is Water License No. 5142-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413932 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

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

gm
enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5142-3

(1) Williams Pipeline Company, of 2728 Patton Road, St Paul, MN 55113 made Application No. 5142-3, June 8, 1987 for a water permit to appropriate 0.44 cubic feet of water per second from groundwater (up to 20 recovery wells), Minnehaha County, South Dakota for groundwater remediation purposes. Permit No. 5142-3, with a priority date of June 8, 1987 was approved September 9, 1987 and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before September 9, 1992 and for the application to beneficial use of said water on or before September 9, 1996.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.13 cubic feet of water per second for beneficial use. The location of the diversion points are as follows:

Recovery Well #1 - 100'W and 400'N of the SE corner Section 14, T101N, R50W

Recovery Well #2 - 2240'W and 200'N of the SE corner Section 14, T101N, R50W

Recovery Well #3 - 80'W and 200'N of the SE corner Section 14, T101N, R50W

Recovery Well #4 - 2300'W and 180'S of the NE corner Section 23, T101N, R50W

Recovery Well #5 - 100'W and 1048'N of the SE corner Section 14, T101N, R50W

Recovery Well #6 - 60'W and 160'N of the SE corner Section 14, T101N, R50W

Soluble Recovery Well #1 - 2320'W and 360'N of the SE corner of Section 14, T101N, R50W

Soluble Recovery Well #2 - 2340'W and 88'N of the SE corner of Section 14, T101N, R50W

Soluble Recovery Well #3 - 2350'W and 192'N of the SE corner of Section 14, T101N, R50W

Soluble Recovery Well #4 - 2220'W and 80'N of the SE corner of Section 14, T101N, R50W

Soluble Recovery Well #5 - 2120'W and 580'S of the NE corner of Section 23, T101N, R50W

Soluble Recovery Well #6 - 2020'W and 544'S of the NE corner of Section 23, T101N, R50W

Soluble Recovery Well #7 - 1904'W and 440'S of the NE corner of Section 23, T101N, R50W

Soluble Recovery Well #8 - 1840'W and 380'S of the NE corner of Section 23, T101N, R50W

Soluble Recovery Well #9 - 2080'W and 568'S of the NE corner of Section 23, T101N, R50W

Soluble Recovery Well #10 - 1950'W and 484'S of the NE corner of Section 23, T101N, R50W

Soluble Recovery Well #11 - 1850'W and 400'S of the NE corner of Section 23, T101N, R50W

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use for hydrocarbon recovery and groundwater remediation purposes.

(4) Pursuant to South Dakota Water Law 46-5-30.1 Williams Pipeline Company of 2728 Patton Road, St Paul, MN 55113 the holders and/or owners of Water Permit No. 5142-3 are issued a license to appropriate water, the right to use 0.13 cubic feet of water per second from groundwater (17 recovery wells) with a priority date of June 8, 1987 from the location specified in (2) of this license. The water is used in a hydrocarbon recovery and groundwater remediation system. This license is subject to any limitations or qualifications listed in Water Permit No. 5142-3 and subject to South Dakota State Law.


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

DEC 23 1993

date

5142-3



October 7, 2003

ONE WILLIAMS CENTER
PO BOX 22186
TULSA, OK 74121-2186
(918) 574-7000

Mr. Eric Gronlund
South Dakota Department of Environment and Natural Resources
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

RECEIVED

OCT 10 2003

WATER RIGHTS
PROGRAM

Re: Notice of Transfer of Ownership
Permit Numbers 5157-3, 5142-3, 5346-3

Dear Mr. Gronlund:

Magellan Pipe Line Company, LLC (Magellan) is the new owner of the former Williams Pipe Line Company assets in South Dakota. As a result, Magellan would like to transfer existing water rights out of the name of Williams Pipe Line Company and into Magellan's name. Enclosed are the following items to facilitate this change.

- Notice of Transfer of Ownership, Permit No. 5157-3
- Notice of Transfer of Ownership, Permit No. 5142-3
- Notice of Transfer of Ownership, Permit No. 5346-3
- Check No. 2800023198 for \$7.50 to cover the filing fee for all three requests.

Please contact me at (918) 573-9980 if you need anything else.

Sincerely,

A handwritten signature in black ink that reads "Doug Mitchell". The signature is written in a cursive, flowing style.

Doug Mitchell
Project Manager
Environmental Remediation

Enclosures

Cc: Brad Peschong, LBG-Sioux Falls Office

NOTICE OF TRANSFER OF OWNERSHIP

RECEIVED

OCT 10 2003

WATER RIGHTS
PROGRAM

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 5142-3

Date: October 2, 2003

I/We request that Water Right/Permit No. 5142-3

formerly owned by: Williams Pipe Line Company, LLC

be transferred to: (name & address) Magellan Pipe Line Company, LLC

One Williams Center, Tulsa OK 74172

Telephone No. 918.573.9980

Title to the following described land(s)/property has been transferred as described above:

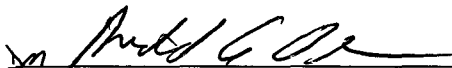
Recovery wells located in Minnehaha County, Sections 14 and 23, T101N, R50W

I/We understand that the validity of Water Right/Permit No. 5142-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Rick A. Olson, the new owner, certify that the above information is true and correct.


(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date October 10, 20 03

RECEIVED OF Magellan Pipeline Company LLC, PO Box 22186, Tulsa OK 74121-2186

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use		
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 <u>5142-3</u>	2	50
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	2.50

No.

060821

By

Barland Elbe
Chief Engineer *gm*



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 15, 2003

5142-3
5157-3
5346-3

Doug Mitchell, Project Engineer
Magellan Pipe Line Company, LLC
One Williams Center
PO Box 22186
Tulsa OK 74172

Dear Mr. Mitchell:

We have received the transfer of ownership forms and fees from you for filing ownership changes with Water Right Nos. 5142-3, 5157-3 and 5346-3. The transfers have been completed. The water rights formerly listed in the name of Williams Pipe Line Company LLC are now listed in the name of "Magellan Pipe Line Company, LLC."

Enclosed are your Receipt Nos. 000890, 000891 and 000892 in the amounts of \$2.50 each. If I can answer any questions for you, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures

Dewell, Amanda

From: Kilts, Whitney (DENR)
Sent: Tuesday, May 21, 2024 9:41 AM
To: Dewell, Amanda
Cc: Gronlund, Eric
Subject: FW: Magellan Pipe Line Company Sioux Falls site (5142-3 & 5346-3)

5142-3 / 5346-3

Another BS:SSC.

Looks like the remediation activity associated with Water Rights 5142-3 & 5346-3 ended in 2008. Have not closely looked at all 76 pages of the plugging report file but I believe we likely have plugging reports for some to most of the recovery wells listed on the license for 5142-3.

If the company does have a reason to keep these water rights, I heavily recommend adding a reporting qualification since pumping 60% of the time if they are not required to makes no sense.

Thanks,



Whitney Kilts
Office of Water-Water Rights Program
Department of Agriculture and Natural Resources
523 E. Capitol Ave. Pierre SD, 57501
605.773.3352
danr.sd.gov

From: Walsh, Brian
Sent: Tuesday, May 21, 2024 9:29 AM
To: Kindt, Trish ; Kilts, Whitney (DENR)
Cc: Hicks, Matt
Subject: RE: Magellan Pipe Line Company Sioux Falls site

If I remember right, Magellan was going to keep a few monitor wells open to do some periodic monitoring for internal purposes but all the remediation activity stopped.

Thanks,
Brian

From: Kindt, Trish <Trish.Kindt@state.sd.us>
Sent: Tuesday, May 21, 2024 9:25 AM
To: Kilts, Whitney (DENR) <Whitney.Kilts@state.sd.us>
Cc: Walsh, Brian <Brian.Walsh@state.sd.us>; Hicks, Matt <Matt.Hicks@state.sd.us>
Subject: RE: Magellan Pipe Line Company Sioux Falls site

Whitney,

Matt is correct.

In theory, an RP could continue to use recovery wells and trenches if they wished but the department would want to know that was happening.

To my knowledge, Magellan is not using the recovery well or trenches.

When we NFA'd the site, Magellan was supposed to either properly maintain or properly abandon the wells....if they chose to abandon, they were supposed to submit documentation to the department.

Brian, is there anything you want to add?

From: Hicks, Matt <Matt.Hicks@state.sd.us>
Sent: Tuesday, May 21, 2024 7:46 AM
To: Kilts, Whitney (DENR) <Whitney.Kilts@state.sd.us>
Cc: Walsh, Brian <Brian.Walsh@state.sd.us>; Kindt, Trish <Trish.Kindt@state.sd.us>
Subject: RE: Magellan Pipe Line Company Sioux Falls site

Whitney,

If it has been granted No Further Action status by the state, most likely all recovery activities have stopped. Brian Walsh was the case manager for that release and might be able to provide more specific information. However, sometimes spill cases can be reopened or a new spill case opened (with a new case number) at sites where additional contamination is discovered or site use has changed. Trish Kindt would have more information if this has occurred at this site.

Thanks,

Matt Hicks
Environmental Scientist III, Ground Water Quality Specialist
Water Quality Program
South Dakota DANR
523 East Capitol
Pierre, SD 57501
605-773-5337 Fax: 605-773-6035

From: Kilts, Whitney (DENR) <Whitney.Kilts@state.sd.us>
Sent: Monday, May 20, 2024 4:37 PM
To: Hicks, Matt <Matt.Hicks@state.sd.us>
Subject: Magellan Pipe Line Company Sioux Falls site

Matt,

Do you know if there is still any ongoing hydrocarbon recovery and groundwater remediation happening at the Magellan Pipe Line Company Sioux Falls site (SE ¼ Sec 14-T101N-50W)?
I am trying to look into if the recovery wells and trenches associated with the attached water rights might still be in use or not, before we reach out to the company on the water rights. I did find the 2008 no additional action finding (https://danr.sd.gov/spillimages/1985_1987/1986.039_WPL%2012th%20Street%202008%20thru%201982%20.pdf), but am not seeing anything more recent suggesting that they might still be in use.

Thanks,



Whitney Kilts
Office of Water-Water Rights Program
Department of Agriculture and Natural Resources
523 E. Capitol Ave. Pierre SD, 57501
605.773.3352
danr.sd.gov



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

July 25, 2025

5142-3
5346-3

Magellan Pipeline Co., LP
c/o Becky Spence
PO Box 22186
Tulsa OK 74172

Dear Ms. Spence:

I am writing you today in regard to Water Right Nos. 5142-3 & 5346-3, both held by Maegellan Pipeline Co., LLC, for a series of wells and trenches (western Sioux Falls area), used for hydrocarbon recovery and groundwater remediation purposes.

Based on conversation with Groundwater Quality staff in our department, it appears that the remediation project ended in 2008. This is supported by a number of Well Plugging Reports being submitted on behalf of Magellan Pipeline Co., LP.

With this letter I hope to determine whether the remediation project is still in effect, if the authorized wells and trenches are still being utilized for recovery or monitoring purposes, and ultimately how the status of these water rights should be handled.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us