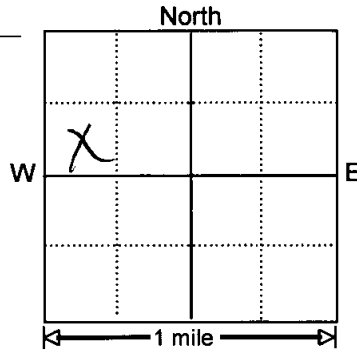


SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-1Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**

EXISTING WELL ☒	TEST HOLE ☐
Well depth <u>17 feet</u>	Hole depth _____
Casing material <u>Sch 40 PVC</u>	Hole size _____
Casing size(s) <u>2-inch</u>	
Casing condition <u>Good</u>	

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.Signature of Licensed Representative: *[Signature]*Signature of Well Owner: *[Signature]*Date: 1/7/15

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIOUX FALLS, SOUTH DAKOTA

OWNER: Williams

WELL NO.: IW-1 (TK 501)

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Williams
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" PVC

SLOT NO.: 20 SETTING: 17 fbg to 7 fbg

DATE COMPLETED: 6-17-02

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 17 fbg to 6 fbg

DRILLING METHOD: HSA

CASING SIZE & TYPE: 4" PVC

SETTING: 7 fbg to approximately 3 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Bentonite

OBSERVER: Melissa Karstens

SETTING: 6 fbg to 2 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Concrete grout

ELEVATION OF RP:

STATIC WATER LEVEL: Approximately 10 fbg

STICK-UP: Approximately 3 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION:

YIELD:

REMARKS:

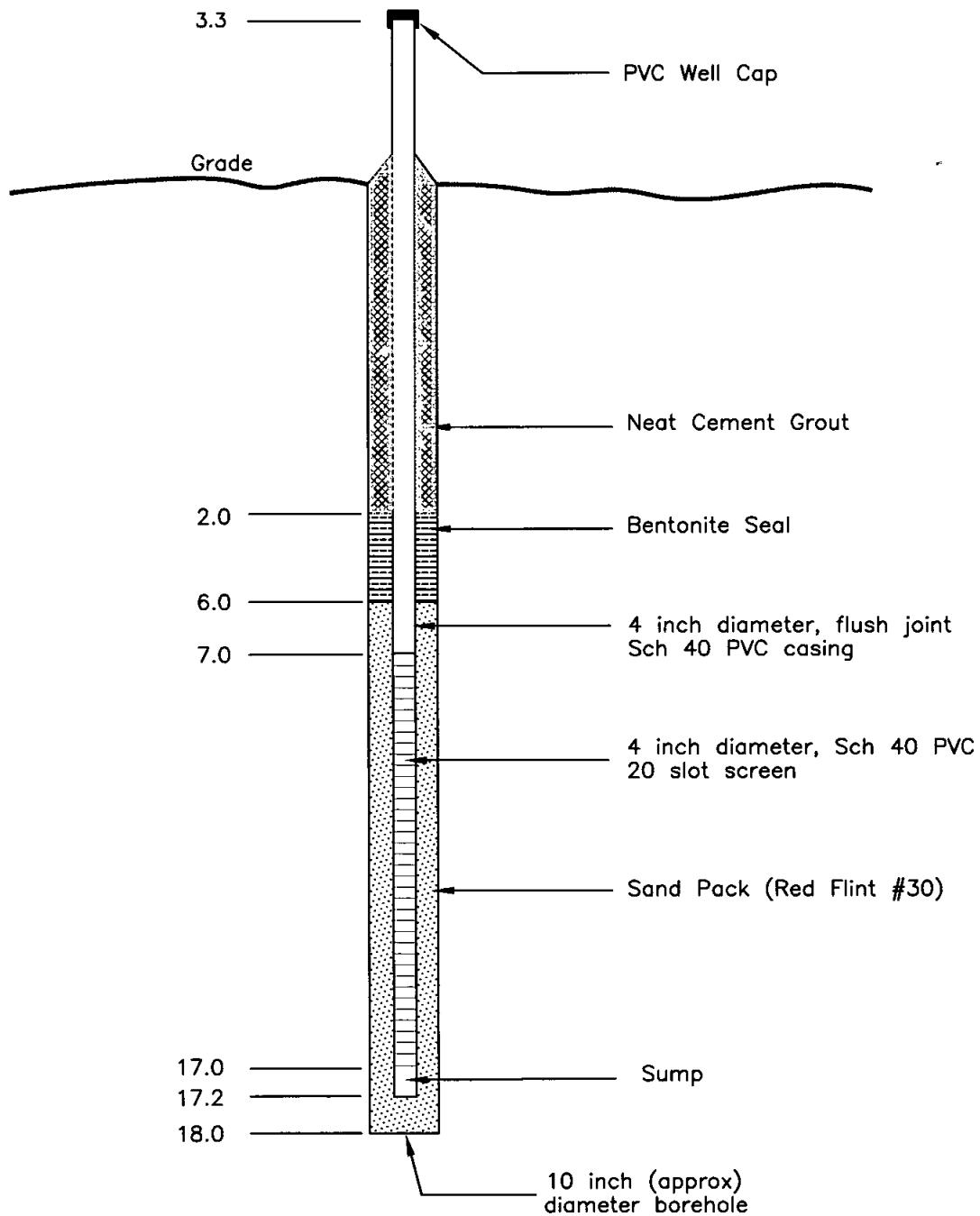
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	26	2	ND	SILTY CLAY, with sand, fine grained, black.
2	4	SS	24	0.5	2	SILTY CLAY, with sand, fine grained, black.
4	5	SS	25	1	ND	SILT, with fine sand and clay, brown.
5	6	SS			ND	SAND, fine to coarse grained, with pebbles, brown.
6	8	SS	100	1	ND	SAND, fine to coarse grained, with pebbles, brown.
8	9	SS	31	1	1	SAND, fine to medium grained, with pebbles, brown.
9	10	SS			ND	SAND, fine, with silt, brown, moist.
10	12	SS	23	1	ND	SAND, fine, with silt, brown, wet.
12	14	SS	10	1	1	SAND, fine, brown, wet.
14	16	SS	44	1	212	SAND, medium to very coarse grained, brown, wet.
16	17	SS	53	1	333	SAND, medium to very coarse grained, with pebbles, brown, wet.
17	18	SS			147	CLAY, with silt and sand, wet, soft.
						END OF BORING

Well Construction Diagram IW-1

Not to Scale



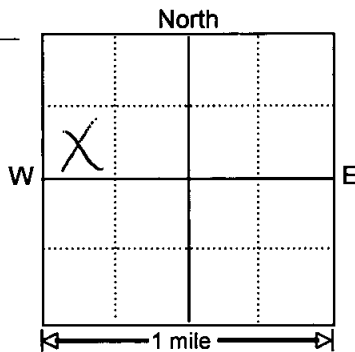
Installation Date: June 17, 2002

Surveyed Elevations in feet AMSL
Top of riser: 1728.63
Ground surface: 1725.4

DATE	REVISED	LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 1113 E. 14th Street Sioux Falls, South Dakota 57104 (605) 334-8000	WILLIAMS PIPE LINE COMPANY, LLC WATERTOWN TERMINAL WATERTOWN, SOUTH DAKOTA		
			IW-1 CONSTRUCTION DIAGRAM		
			FILE:	DATE:	FIGURE:
			IW-1.DWG	DEC 2002	1

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-2Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**

EXISTING WELL ☒	TEST HOLE ☐
Well depth <u>18 feet</u>	Hole depth _____
Casing material <u>Sch 40 PVC</u>	Hole size _____
Casing size(s) <u>2-inch</u>	
Casing condition <u>Good</u>	

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**

Type of non-slip plug: _____

This well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.Signature of Licensed Representative: *[Signature]*Signature of Well Owner: *[Signature]*Date: 1/7/15

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIoux FALLS, SOUTH DAKOTA

OWNER: Williams

WELL NO.: IW-2 (TK 678)

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Williams
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" PVC

SLOT NO.: 20 SETTING: 18 fbg to 8 fbg

DATE COMPLETED: 6-17-02

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 18 fbg to 7 fbg

DRILLING METHOD: HSA

CASING SIZE & TYPE: 4" PVC

SETTING: 7 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Bentonite

OBSERVER: Melissa Karstens

SETTING: 7 fbg to 4 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Concrete grout

ELEVATION OF RP:

STATIC WATER LEVEL: Approximately 13 fbg

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

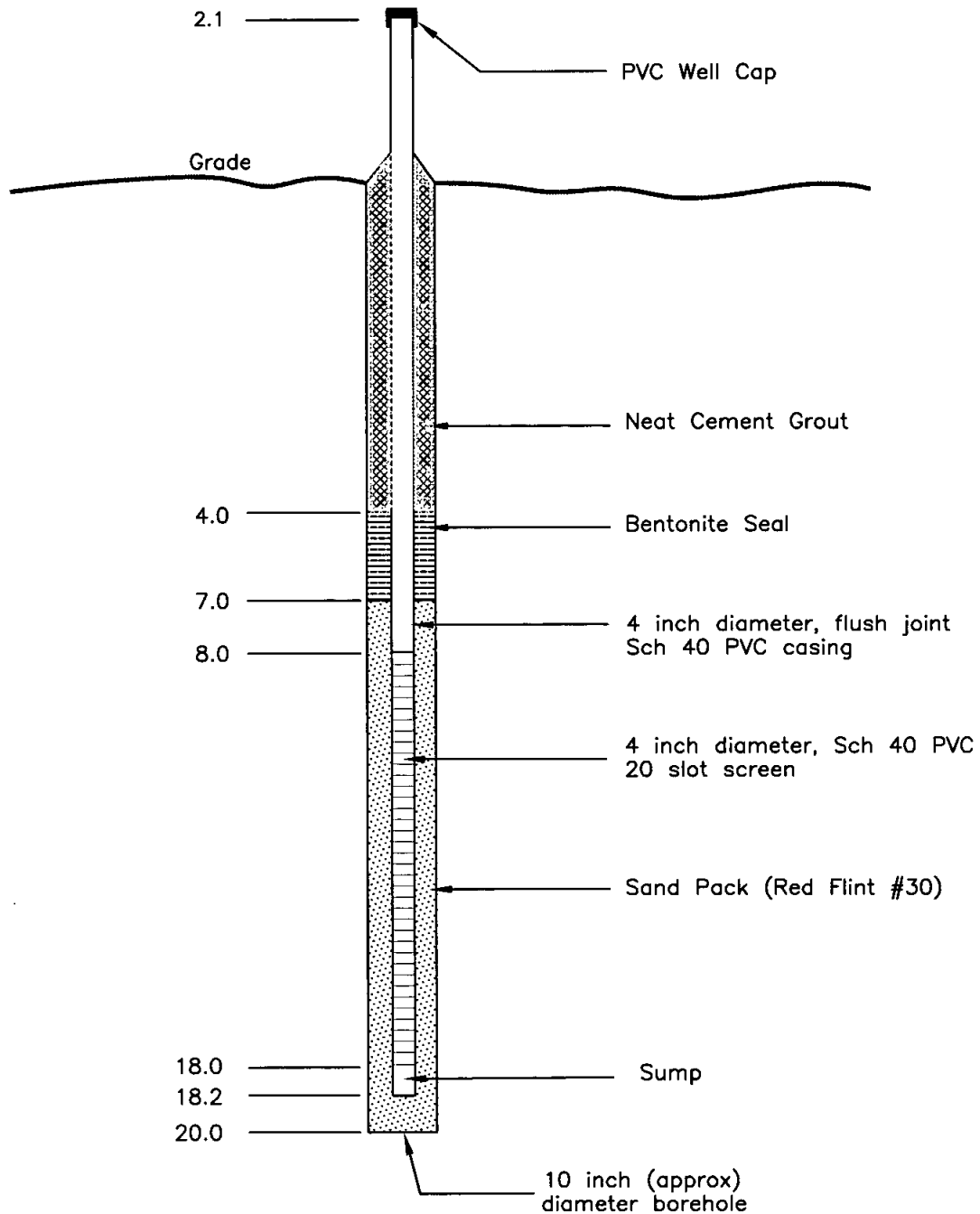
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	1.5	SS	18	1.5	ND	SILTY CLAY, with sand, fine grained, black.
1.5	2	SS			ND	SILT, with sand, fine grained, dark brown.
2	3.5	SS	46	1.5	ND	SILT, with sand, fine grained, brown.
3.5	4	SS			ND	SAND, fine to coarse grained, with pebbles, brown.
4	6	SS	100	1.5	ND	SAND, fine to coarse grained, with pebbles, brown.
6	8	SS	89	0.5	ND	SAND, fine to coarse grained, with pebbles, brown.
8	10	SS	100	1.5	ND	SAND, fine to coarse grained, with pebbles, brown.
10	12	SS	61	1.5	ND	SAND, fine to coarse grained, with pebbles, brown.
12	13	SS	44	1.5	ND	SAND, fine to coarse grained, with pebbles, brown.
13	14	SS			193	SAND, medium to coarse grained, with pebbles, wet.
14	16	SS	35	1.5	201	SAND, medium to coarse grained, with pebbles, wet.
16	18	SS	33	1	68	SAND, medium to very coarse grained, with pebbles, wet.
18	20	SS	26	1.5	8	CLAY, with silt and sand, wet, soft.
						END OF BORING

Well Construction Diagram IW-2

Not to Scale



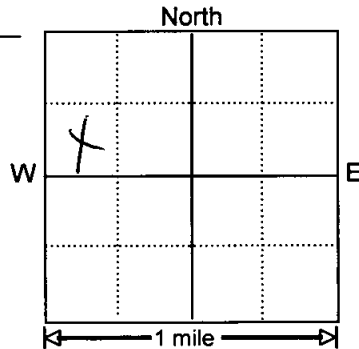
Installation Date: June 17, 2002

Surveyed Elevations in feet AMSL
Top of riser: 1725.81
Ground surface: 1723.8

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 1113 E. 14th Street Sioux Falls, South Dakota 57104 (605) 334-6000	WILLIAMS PIPE LINE COMPANY, LLC WATERTOWN TERMINAL WATERTOWN, SOUTH DAKOTA					
			IW-2 CONSTRUCTION DIAGRAM					
			FILE:	IW-2.DWG	DATE:	DEC 2002	FIGURE:	1

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-3Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 19 feetCasing material Sch 40 PVCCasing size(s) 2-inchCasing condition Good

Hole depth _____

Hole size _____

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 4 Twp 116N Rg 52W

County

North

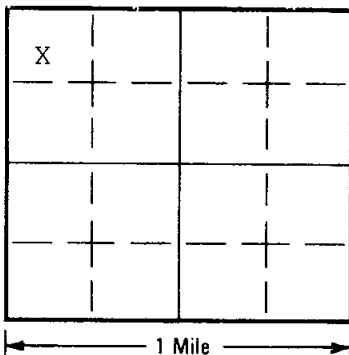
CODINGTON

Please mark well location with an "X"

W

E

Well Completion Date

9/4/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE:

INJECTION WELL

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>69</u> LB/FT	<u>4</u> IN	<u>0</u> FT	<u>9</u> FT	<u>8 1/4</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft.	<u>7</u> ft.
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>7</u> ft.	<u>8</u> ft.

Describe grouting procedure TREMIE PIPEDSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 4 IN Length 10 FEETMaterial STAINLESS STEELSlot Size 20 Set From 9 Feet to 19 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

_____ YES, How: _____

Laboratory sent to for water quality analysis

X NO, Why Not? _____ENVIRONMENTAL WELLWell Owner: MAGELLAN PIPELINE SERVICESBusiness Name: MAGELLAN PIPELINE SERVICESAddress: ONE WILLIAMS CENTER, MD 27-3TULSA, OK 74172-0172

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
SANDY CLAY BLK/BRN SOFT	0	3
SANDY CLAY BROWN SOFT	3	7
SANDY CLAY SAND BROWN MED/HARD	7	9
SAND GRAVEL COBBLES BRN HARD	9	13
SAND GRAVEL COBBLES WET BRN HRD	13	15
SAND GRAVEL COBBLES WET GRY/GRN SFT	15	17
SAND GRAVEL COBBLES WET SANDY		
CLAY BROWN SOFT	17	19

STATIC WATER LEVEL 14' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 3/4 Hrs. pumped 95 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

IW#3This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIoux FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-3

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 19 fbg to 9 fbg

DATE COMPLETED: September 4, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 19 fbg to 8 fbg

CASING SIZE & TYPE: 4" PVC

DRILLING METHOD: HSA

SETTING: 9 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 8 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

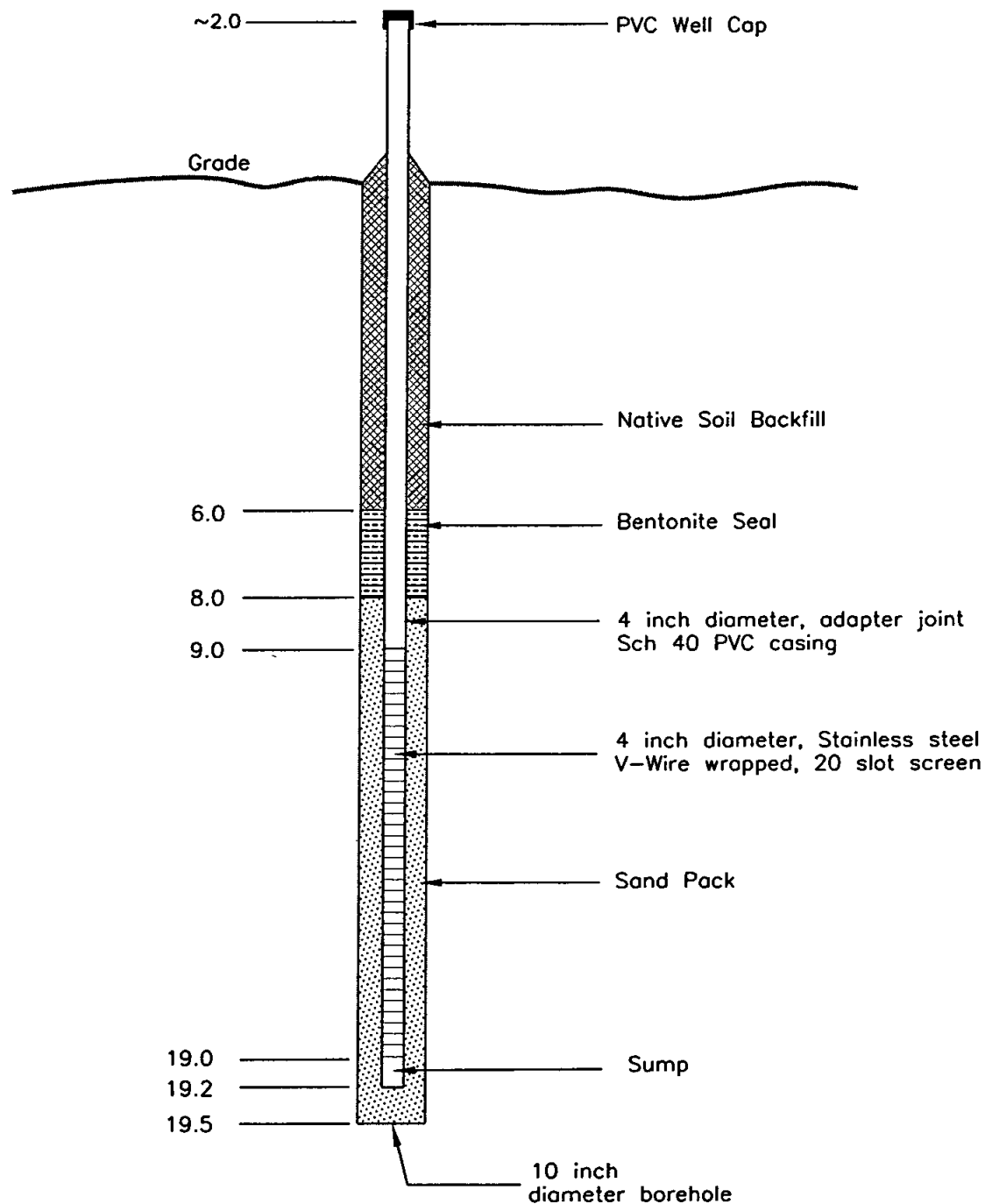
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	5	SS	1.5	ND	SILT, with clay and sand, fine grained, some pebbles, black, dry.
5	7	SS	1.5	ND	SILT, with clay and sand, fine grained, some pebbles, brown, dry, soft.
7	9	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
9	11	SS	1.5	ND	SAND, fine to coarse grained, with a little clay at 9.5 fbg.
11	13	SS	1	5	SAND, fine to coarse grained, with a little clay.
13	15	SS	1.5	212	SAND, fine to coarse grained, with pebbles, brown, wet, strong hydrocarbon odor.
15	17	SS	1.5	159	SAND, coarse to very coarse grained, with pebbles, gray, wet, strong hydrocarbon odor.
17	18.5	SS	1.5	276	SAND, coarse to very coarse grained, with pebbles, gray, wet, heavy sheen, strong hydrocarbon odor.
18.5	19	SS		--	CLAY, with silt and sand, some pebbles, brown, dense.
					END OF BORING

Well Construction Diagram IW-3

Not to Scale



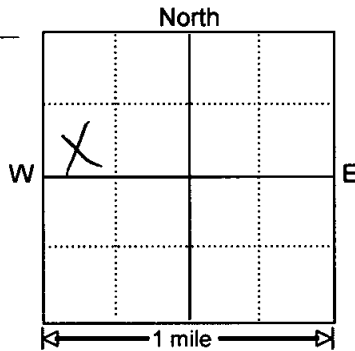
Installation Date: September 4, 2003

Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA		
			IW-3 INJECTION WELL CONSTRUCTION DIAGRAM		
			FILE: well schem IW3.dwg	DATE: Sept 03	FIGURE:

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW ¼ NW ¼ Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-4Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**

EXISTING WELL ☒	TEST HOLE ☐
Well depth <u>19 feet</u>	Hole depth _____
Casing material <u>Sch 40 PVC</u>	Hole size _____
Casing size(s) <u>2-inch</u>	
Casing condition <u>Good</u>	

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

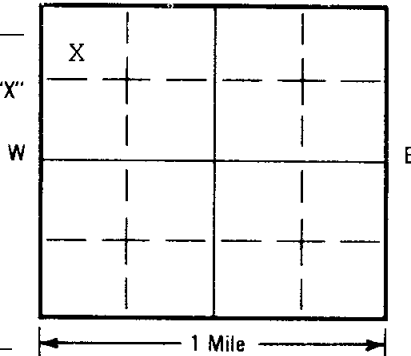
MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.Signature of Licensed Representative: *[Signature]*Signature of Well Owner: *[Signature]*Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W
 County CODINGTON

Please mark well location with an "X"



Well Completion Date

9/3/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE: INJECTION WELL

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>69 LB/FT</u>	<u>4 IN</u>	<u>0 FT</u>	<u>9 FT</u>	<u>10 1/4 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft.	<u>6</u> ft.
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>6</u> ft.	<u>8</u> ft.

Describe grouting procedure TREMIE PIPED

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 4" IN Length 10 FEET
 Material STAINLESS STEEL
 Slot Size 20 Set From 9 Feet to 19 Feet
 Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

YES, How: _____

Laboratory sent to for water quality analysis

X NO, Why Not? _____

ENVIRONMENTAL WELL

Well Owner: MAGELLAN PIPELINE SERVICES

Business Name: MAGELLAN PIPELINE SERVICES

Address: ONE WILLIAMS CENTER, MD 27-3
TULSA, OK 74172-0172

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
SANDY CLAY BLK/BRN MED	0	3
SANDY CLAY SAND GRAVEL BRN HRD	3	5
SAND GRAVEL COBBLES BRN HARD	5	13
SAND GRAVEL COBBLES WET GRN HRD	13	15
SAND GRAVEL COBBLES WET GRN/BRN HRD	15	17
SAND GRAVEL COBBLES SANDY CLAY BROWN HARD	17	19

STATIC WATER LEVEL 14' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

- ☒ Pumped Describe: _____
☐ Bailed _____
☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 1/2 Hrs. pumped 85 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS IW#4

This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIOUX FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-4

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 19 fbg to 9 fbg

DATE COMPLETED: September 3, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 19 fbg to 8 fbg

CASING SIZE & TYPE: 4" PVC

DRILLING METHOD: HSA

SETTING: 9 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 8 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

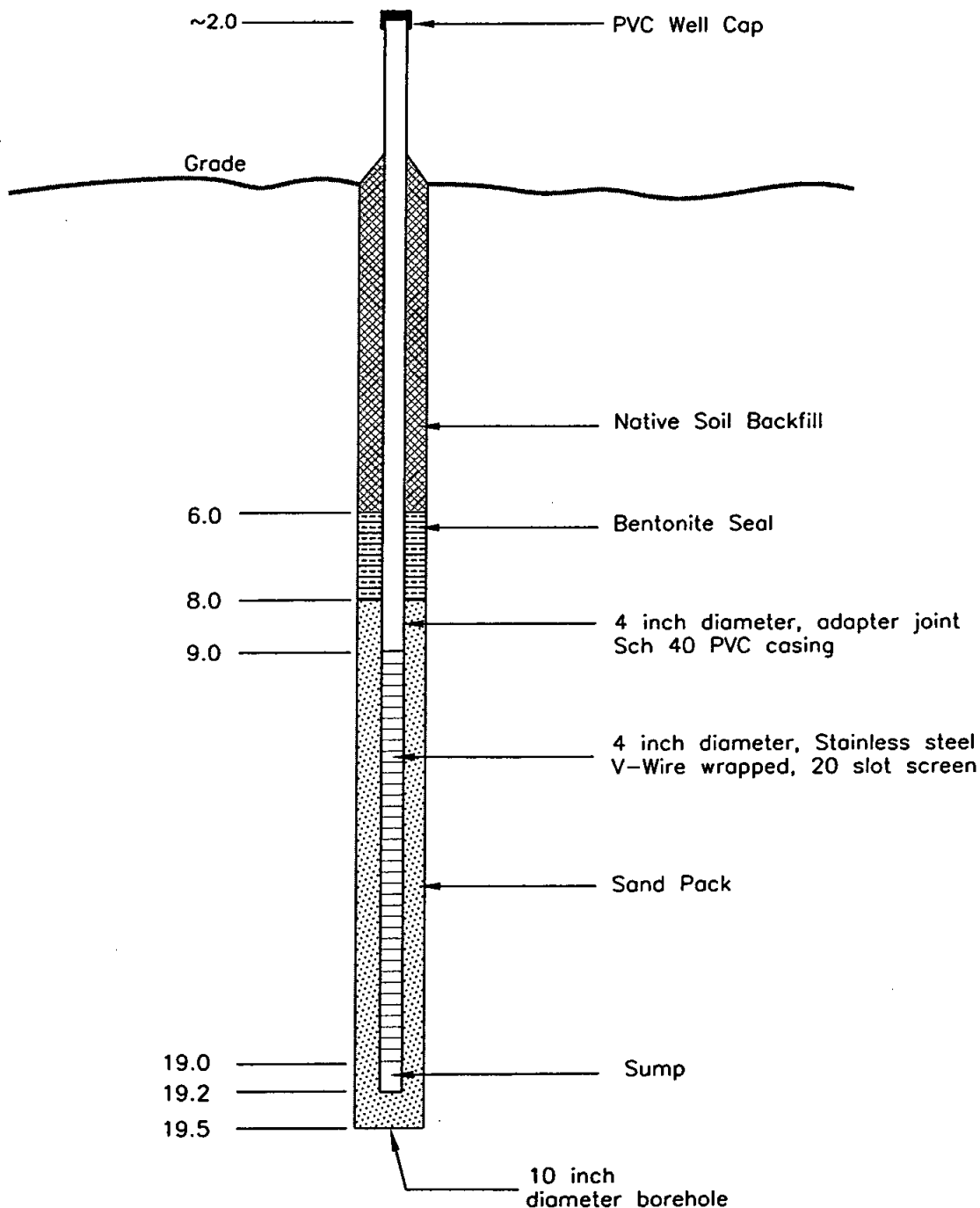
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	4	SS	1	ND	SILT, with sand, fine grained, a few pebbles, brown, dry.
4	5	SS		ND	SAND, fine to medium grained, with pebbles, brown, dry.
5	7	SS	1	ND	SAND, fine to medium grained, with pebbles, brown, dry.
7	9	SS	1.5	ND	SAND, fine to medium grained, with pebbles, brown, dry.
9	11	SS	1	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
11	13	SS	0.2	ND	SAND, medium to very coarse grained, with pebbles, brown, dry.
13	15	SS	--	--	No sample recovered
15	17	SS	0.5	352	SAND, medium to very coarse grained, with pebbles, grayish-brown, wet, strong hydrocarbon odor.
17	18.5	SS	2	69	SAND, medium to very coarse grained, with pebbles, grayish-brown, wet, hydrocarbon odor.
18.5	19	SS		10	CLAY, with sand, fine grained, brown, soft.
					END OF BORING

Well Construction Diagram IW-4

Not to Scale



Installation Date: September 3, 2003

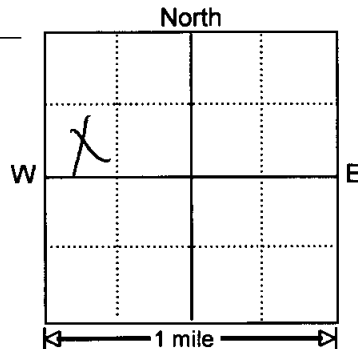
Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA		
			IW-4 INJECTION WELL CONSTRUCTION DIAGRAM		
			FILE: well schem IW4.dwg	DATE: Sept 03	FIGURE:

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-5Plugging Completion Date October 25, 2014

CHECK APPROPRIATE BOX

EXISTING WELL ☒	TEST HOLE ☐
Well depth <u>18 feet</u>	Hole depth _____
Casing material <u>Sch 40 PVC</u>	Hole size _____
Casing size(s) <u>2-inch</u>	
Casing condition <u>Good</u>	

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

RECEIVED

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.

JAN 12 2015

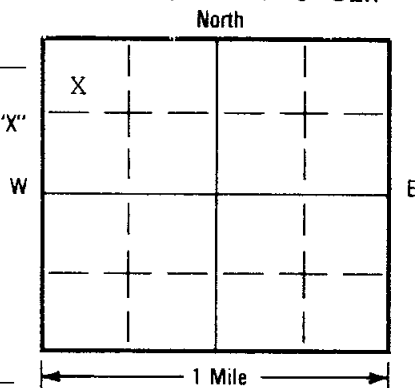
WATER RIGHTS
PROGRAMType of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.Signature of Licensed Representative: [Signature]Signature of Well Owner: [Signature]Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 4 Twp 116N Rg 52W
 County CODINGTON

Please mark well location with an "X"



Well Completion Date

9/3/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE: INJECTION WELL

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>.69</u> LB/FT	<u>4</u> IN	<u>0</u> FT	<u>8</u> FT	<u>10 1/4</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft	<u>6</u> ft
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>6</u> ft	<u>7</u> ft

Describe grouting procedure TREMIE PIPED

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 4" IN Length 10' FEET

Material STAINLESS STEEL

Slot Size 20 Set From 8 Feet to 18 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

_____ YES, How: _____

X NO, Why Not? _____

Laboratory sent to for water quality analysis

ENVIRONMENTAL WELL

Well Owner: MAGELLAN PIPELINE SERVICES

Business Name: MAGELLAN PIPELINE SERVICES

Address: ONE WILLIAMS CENTER, MD 27-3
TULSA, OK 74172-0172

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>SANDY CLAY BLK?BRN MED</u>	<u>0</u>	<u>3</u>
<u>SANDY CLAY SAND BROWN SOFT/MED</u>	<u>3</u>	<u>5</u>
<u>SAND GRAVEL COBBLES BRN MD/HRD</u>	<u>5</u>	<u>7</u>
<u>SAND GRAVEL COBBLES BRN HARD</u>	<u>7</u>	<u>9</u>
<u>SAND GRAVEL COBBLES BRN MED</u>	<u>9</u>	<u>13</u>
<u>SAND GRAVEL COBBLES WET BRN SOFT</u>	<u>13</u>	<u>15</u>
<u>SAND GRAVEL COBBLES WET SANDY CLAY BROWN SOFT</u>	<u>15</u>	<u>17</u>

STATIC WATER LEVEL 14' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____

☐ Bailed _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 3/4 Hrs. pumped 95 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

IW#5

This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIOUX FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-5

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 18 fbg to 8 fbg

DATE COMPLETED: September 3, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 18 fbg to 7 fbg

DRILLING METHOD: HSA

CASING SIZE & TYPE: 4" PVC

SETTING: 8 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 7 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

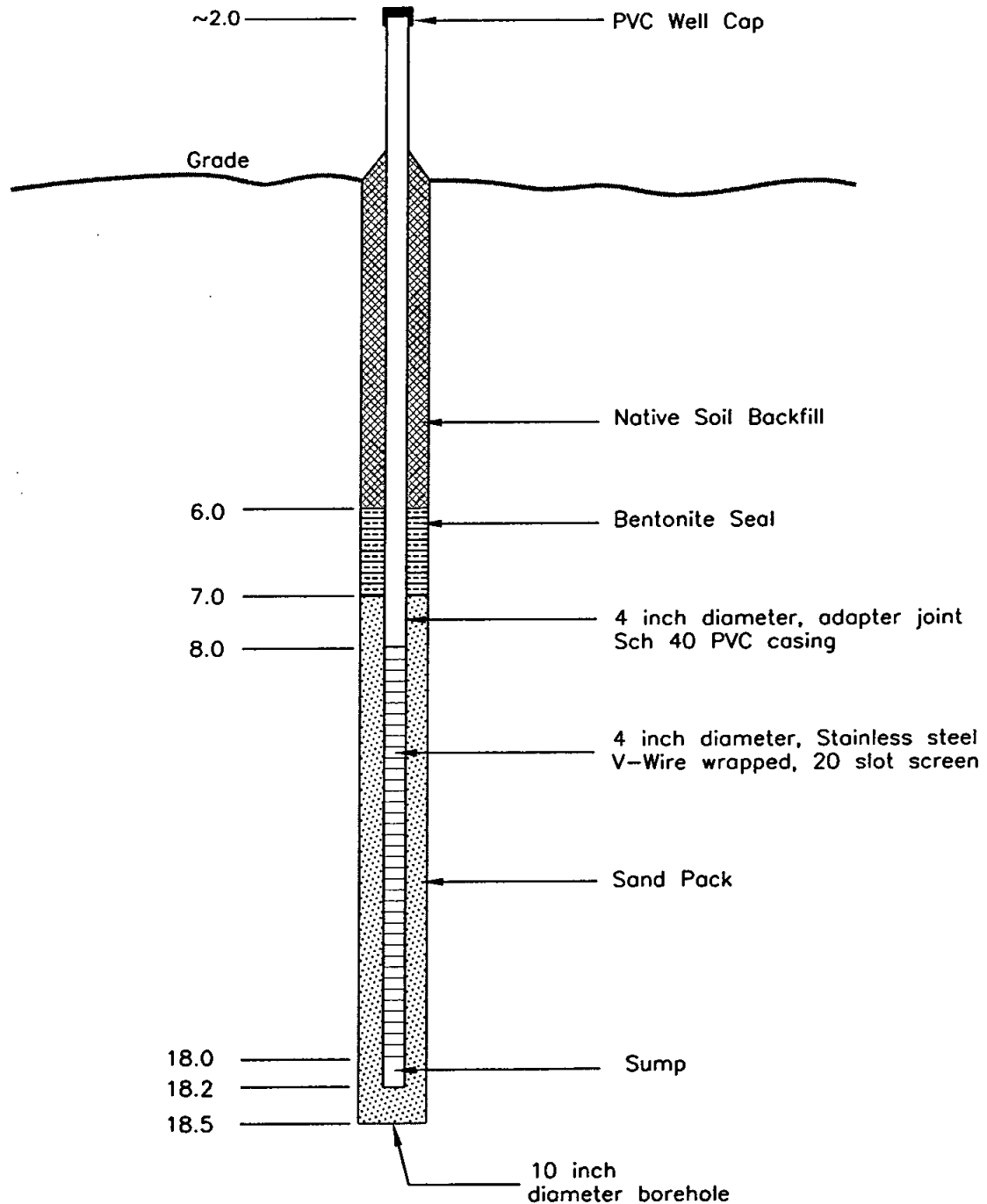
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	4	SS	1.5	ND	SILT, with some clay and sand, brown, soft.
4	5	SS		ND	SAND, fine to medium grained, with pebbles, brown, dry.
5	7	SS	1.5	ND	SAND, very fine to fine grained, with pebbles, brown, dry.
7	9	SS	1	ND	SAND, very fine to medium grained, with pebbles, brown, dry.
9	11	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, moist.
11	13	SS	2	ND	SAND, fine to coarse grained, with pebbles, brown, moist.
13	15	SS	1.5	ND	SAND, very coarse grained, with pebbles, brown, wet.
15	16.5	SS	1.5	ND	SAND, very coarse grained, with pebbles, brown, wet.
16.5	17	SS		ND	CLAY, with silt and sand, some pebbles, brown, moist.
					END OF BORING

Well Construction Diagram IW-5

Not to Scale



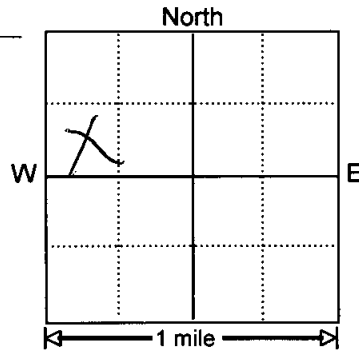
Installation Date: September 3, 2003

Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA	
			IW-5 INJECTION WELL CONSTRUCTION DIAGRAM	
FILE: well schem IW5.dwg		DATE: Sept 03	FIGURE:	

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-6Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 22 feetCasing material Sch 40 PVCCasing size(s) 2-inchCasing condition Good

Hole depth _____

Hole size _____

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.**RECEIVED**

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.**JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 4 Twp 116N Rg 52W
 County CODINGTON

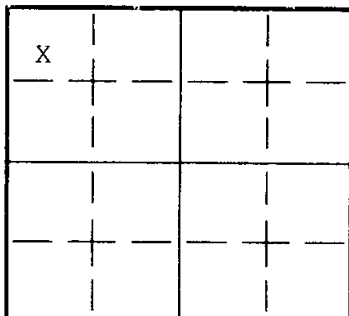
Please mark well location with an "X"

W

E

Well Completion Date

9/3/03



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE:

INJECTION WELL

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
.69 LB/FT	4 IN	0 FT	12 FT	10 $\frac{1}{4}$ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
CEMENT	2	_____ lb./gal	0 ft.	9 ft.
BENTONITE	1	_____ lb./gal	9 ft.	11 ft.

Describe grouting procedure TREMIE PIPEDSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 4" IN Length 10 FEETMaterial STAINLESS STEELSlot Size 20 Set From 12 Feet to 22 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

YES, How: _____

Laboratory sent to for water quality analysis

X NO, Why Not? _____ENVIRONMENTAL WELLWell Owner: MAGELLAN PIPELINE SERVICESBusiness Name: MAGELLAN PIPELINE SERVICESAddress: ONE WILLIAMS CENTER, MD 27-3TULSA, OK 74172-0172

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
SANDY CLAY BLK/BRN MED	0	3
SANDY CLAY SAND BRN MED?HRD	3	5
SAND GRAVEL COBBLES BRN HARD	5	7
SAND GRAVEL COBBLES BRN MED	7	11
SANDY CLAY SAND GRAVEL BRN SFT/MED	11	13
SANDY CLAY SAND GRAVEL BRN SFT/HRD	13	15
WET SAND GRAVEL COBBLES GRN HRD	15	17
WET SAND GRAVEL COBBLES BRN MED	17	19
WET SAND GRAVEL COBBLES BRN SFT	19	21
WET SAND GRAVEL COBBLES BRN MED	21	22
SANDY CLAY BROWN MED	23	25

STATIC WATER LEVEL 15' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 3/4 Hrs. pumped 95 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS IW#6This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIoux FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-6

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 22 fbg to 12 fbg

DATE COMPLETED: September 3, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 22 fbg to 11 fbg

CASING SIZE & TYPE: 4" PVC

DRILLING METHOD: HSA

SETTING: 12 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 11 fbg to 9 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Cement to 6 fbg, native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

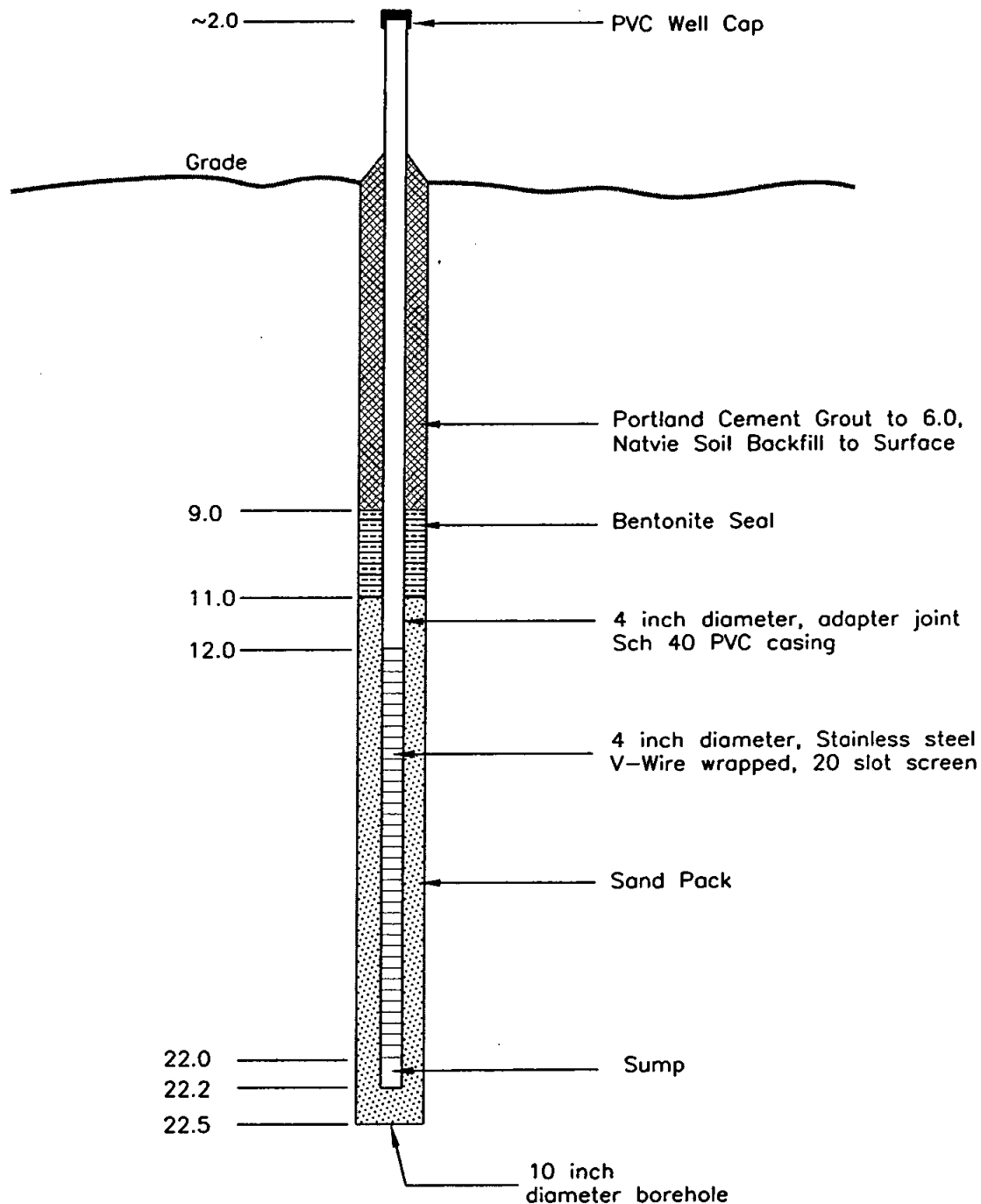
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	4	SS	1.5	ND	SILT, with sand, fine grained, some pebbles, dark brown, dry.
4	5	SS		ND	SAND, fine to coarse grained, with pebbles, brown, dry.
5	7	SS	1.5	3	SAND, fine to coarse grained, with pebbles, brown, dry.
7	9	SS	1.5	ND	SAND, fine to coarse grained, with large pebbles, brown, dry.
9	10	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
10	10.5	SS		ND	SAND, very fine to fine grained, with some clay, brown, soft.
10.5	11	SS		ND	CLAY, with sand, fine grained, brown, soft.
11	12	SS	1.5	259	CLAY, with sand, fine grained, with pebbles, brown, moist.
12	13	SS		316	SAND, fine to coarse grained, with pebbles, some clay, brown, moist.
13	15	SS	1	310	SAND, fine to coarse grained, with pebbles, some clay, brown, moist.
15	17	SS	0.08	31	SAND, very coarse grained, with large pebbles, brown, wet.
17	19	SS	1.5	47	SAND, fine to coarse grained, some pebbles, brownish-gray, wet.
19	21	SS	2	19	SAND, fine to coarse grained, with pebbles, brownish-gray, wet.
21	23	SS	1.5	2	SAND, medium to very coarse grained, with pebbles, brown, wet.
23	25	SS	1.5	--	CLAY, with silt and sand, some pebbles, brown, very dense.
					END OF BORING

Well Construction Diagram IW-6

Not to Scale



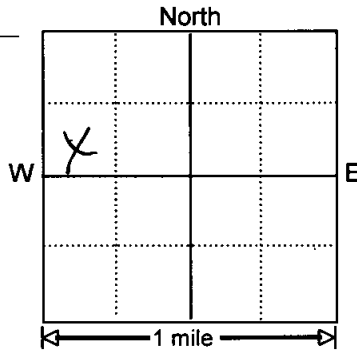
Installation Date: September 3, 2003

Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA	
			IW-6 INJECTION WELL CONSTRUCTION DIAGRAM	
			FILE: well schem IW6.dwg DATE: Sept 03 FIGURE:	

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-7Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 18 feetCasing material Sch 40 PVCCasing size(s) 2-inchCasing condition Good

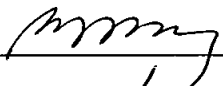
Hole depth _____

Hole size _____

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.Signature of Licensed Representative: Signature of Well Owner: Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 4 Twp 116N Rg 52W
 County CODINGTON

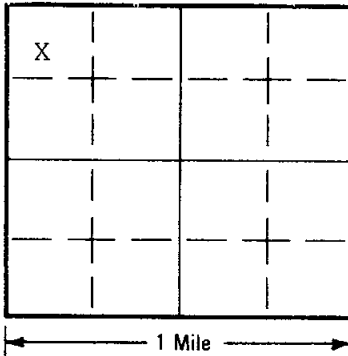
Please mark well location with an "X"

W

E

Well Completion Date

9/2/03



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE: INJECTION WELL

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>.69</u> LB/FT	<u>4</u> IN	<u>0</u> FT	<u>8</u> FT	<u>10$\frac{1}{4}$</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft.	<u>6</u> ft.
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>6</u> ft.	<u>7</u> ft.

Describe grouting procedure TREMIE PIPEDSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 4" IN Length 10 FEETMaterial STAINLESS STEELSlot Size 20 Set From 8 Feet to 18 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

YES, How: _____

Laboratory sent to for water quality analysis

☒ NO, Why Not? _____ENVIRONMENTAL WELLWell Owner: MAGELLAN PIPELINE SERVICESBusiness Name: MAGELLAN PIPELINE SERVICESAddress: ONE WILLIAMS CENTER, MD 27-3TULSA, OK 74172-0172

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
SILT SAND CLAY BLK/BRN MED/SFT	0	5
SAND GRAVEL BROWN HARD/MED	5	7
SAND GRAVEL BROWN HARD	7	13
WET SAND GREEN SOFT	13	15
WET SAND GRN/BRN SOFT	15	17
SANDY CLAY BROWN SOFT	17	19

STATIC WATER LEVEL 14' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 3/4 Hrs. pumped 95 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

IW#7

This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIOUX FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-7

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 **SETTING:** 18 fbg to 8 fbg

DATE COMPLETED: September 2, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 18 fbg to 7 fbg

DRILLING METHOD: HSA

CASING SIZE & TYPE: 4" PVC

SETTING: 8 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 7 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION:

YIELD:

REMARKS:

ABBREVIATIONS: SS = SPLIT SPOON

W = WASH

C = CUTTINGS

CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY

PPM = PARTS PER MILLION

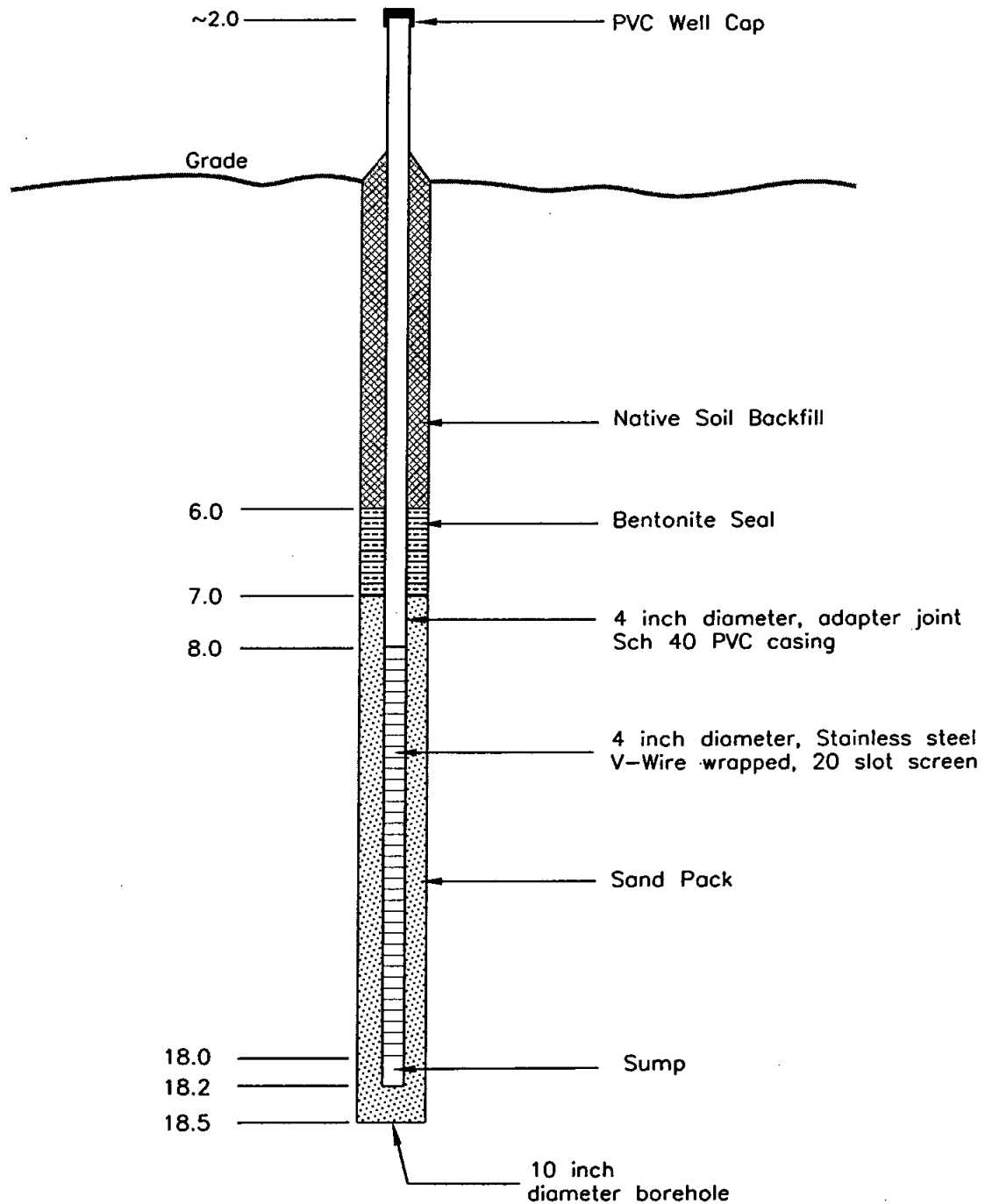
FBG = FEET BELOW GRADE

FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	5	SS	0.6	ND	SAND, fine to medium grained, with pebbles, some clay, brown, dry.
5	7	SS	1.5	ND	SAND, fine to medium grained, with pebbles, some clay, brown, dry.
7	9	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
9	11	SS	0.6	ND	SAND, fine to coarse grained, with large pebbles, brown, dry.
11	13	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
13	15	SS	1	319	SAND, fine to coarse grained, with pebbles, brownish-gray, wet, strong hydrocarbon odor.
15	17	SS	2	261	SAND, fine to coarse grained, with pebbles, brownish-gray, wet, strong hydrocarbon odor.
17	19	SS	1	13	CLAY, with silt and sand, brown, very dense.
					END OF BORING

Well Construction Diagram IW-7

Not to Scale



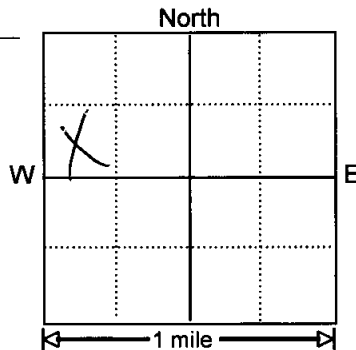
Installation Date: September 2, 2003

Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-8000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA		
			IW-7 INJECTION WELL CONSTRUCTION DIAGRAM		
			FILE: well schem IW7.dwg	DATE: Sept 03	FIGURE:

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

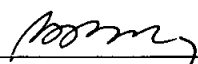
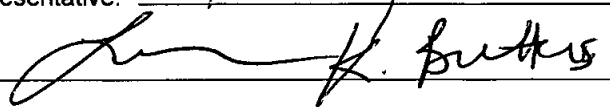
IW-8Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**

EXISTING WELL ☒	TEST HOLE ☐
Well depth <u>19 feet</u>	Hole depth _____
Casing material <u>Sch 40 PVC</u>	Hole size _____
Casing size(s) <u>2-inch</u>	
Casing condition <u>Good</u>	

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

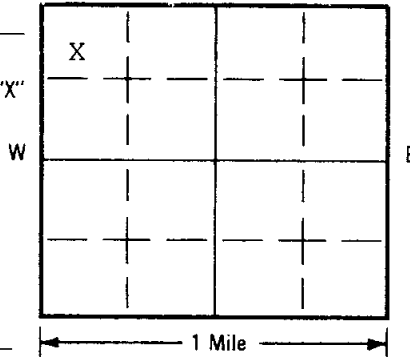
MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.Signature of Licensed Representative: Signature of Well Owner: Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 4 Twp 116N Rg 52W
 County CODINGTON

Please mark well location with an "X"



Well Completion Date

9/2/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE: INJECTION WELL

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>.69</u> LB/FT	<u>4</u> IN	<u>0</u> FT	<u>9</u> FT	<u>12 1/4</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft.	<u>6</u> ft.
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>6</u> ft.	<u>8</u> ft.

Describe grouting procedure TREMIE PIPEDSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 4" IN Length 10 FEETMaterial STAINLESS STEELSlot Size 20 Set From 9 Feet to 19 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

_____ YES, How: _____

Laboratory sent to for water quality analysis

X NO, Why Not? _____ENVIRONMENTAL WELLWell Owner: MAGELLAN PIPELINE SERVICESBusiness Name: MAGELLAN PIPELINE SERVICES

Address: ONE WILLIAMS CENTER, MD 27-3
TULSA, OK 74172-0172

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
SANDY CLAY BLACK SOFT	0	3
SANDY CLAY BLACK SOFT	3	5
SANDY CLAY SAND GRAVEL BLK/BRN MD/HD	5	7
SAND GRAVEL COBBLES BROWN HARD	7	11
SAND GRAVEL COBBLES BRN MED/HD	11	13
SAND GRAVEL COBBLES WET BRN/GRN SFT	13	17
SAND GRAVEL COBBLES SANDY CLAY	17	19

STATIC WATER LEVEL 13' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 3/4Hrs. pumped 95 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

IW#8This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIoux FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-8

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 19 fbg to 9 fbg

DATE COMPLETED: September 2, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 19 fbg to 8 fbg

CASING SIZE & TYPE: 4" PVC

DRILLING METHOD: HSA

SETTING: 9 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 8 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

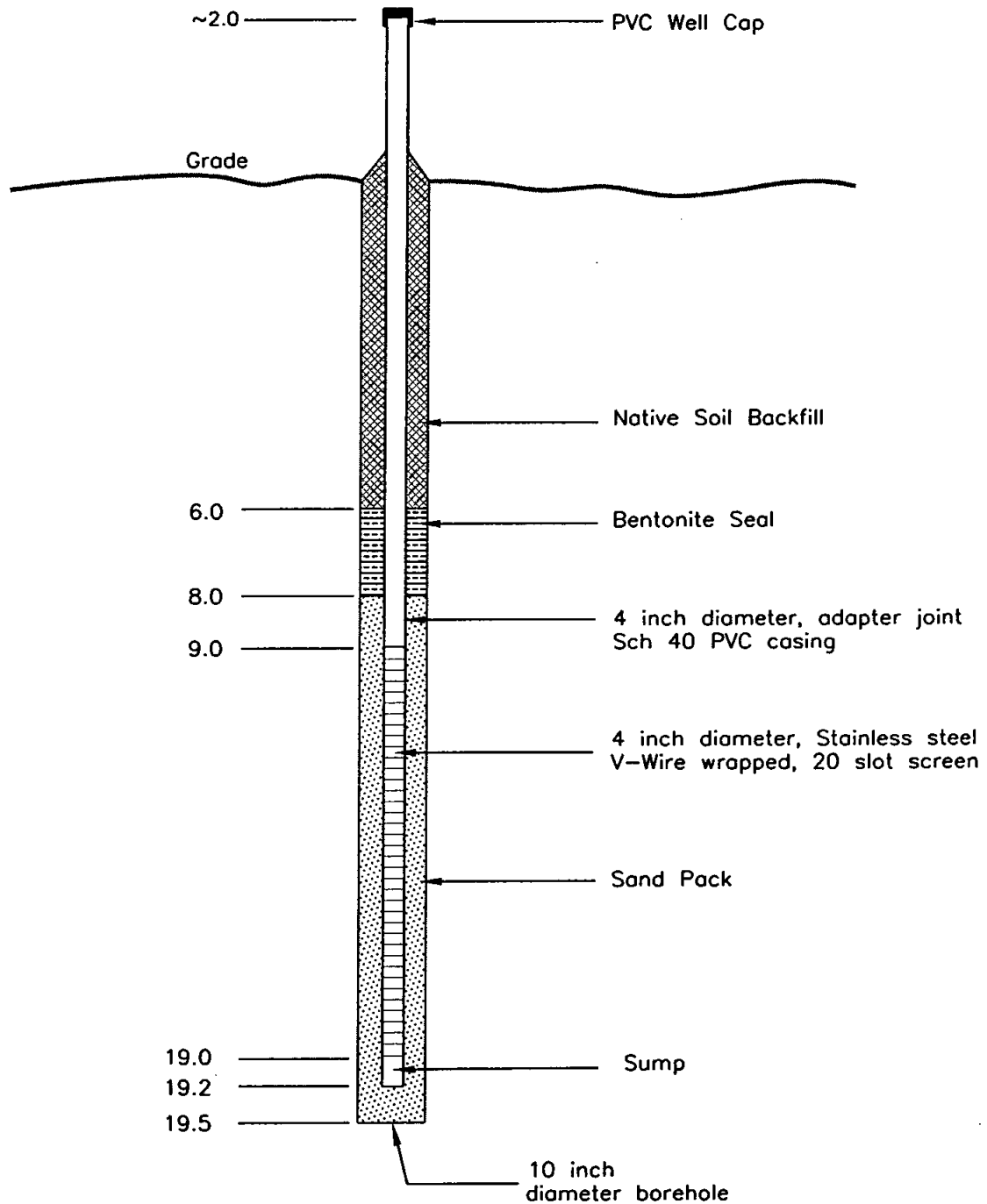
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	5	SS	1	ND	SILT, with clay and sand, fine grained, dark brown, dry.
5	7	SS	1	ND	SAND, fine to very coarse grained, with pebbles, some clay, brown, dry.
7	9	SS	2	ND	SAND, fine to coarse grained, some pebbles, brown, dry.
9	11	SS	1	ND	SAND, fine to coarse grained, some pebbles, brown, dry.
11	13	SS	1.5	ND	SAND, very fine to medium grained, with pebbles, brown, moist.
13	15	SS	1.5	147	SAND, coarse to very coarse grained, with pebbles, brown, wet.
15	17	SS	1.5	158	SAND, coarse to very coarse grained, with pebbles, brown, wet, sheen present.
17	18.75	SS	2	22	SAND, coarse to very coarse grained, with pebbles, brown, wet.
18.75	19	SS		--	CLAY, with silt and sand, brown, very dense.
					END OF BORING

Well Construction Diagram IW-8

Not to Scale



Installation Date: September 2, 2003

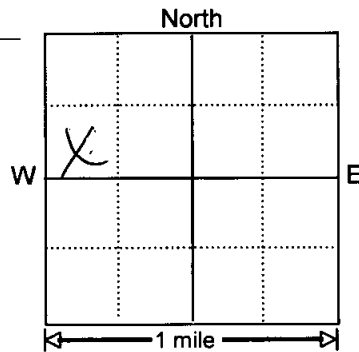
Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA	
			IW-8 INJECTION WELL CONSTRUCTION DIAGRAM	
			FILE: well schem IW8.dwg	
			DATE: Sept 03	
			FIGURE:	

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-9

Plugging Completion Date October 25, 2014

CHECK APPROPRIATE BOX

EXISTING WELL ☒TEST HOLE ☐Well depth 18 feetCasing material Sch 40 PVCCasing size(s) 2-inchCasing condition Good

Hole depth _____

Hole size _____

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.

RECEIVED
JAN 12 2015
WATER RIGHTS
PROGRAM

Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.

Signature of Licensed Representative: _____

Signature of Well Owner: _____

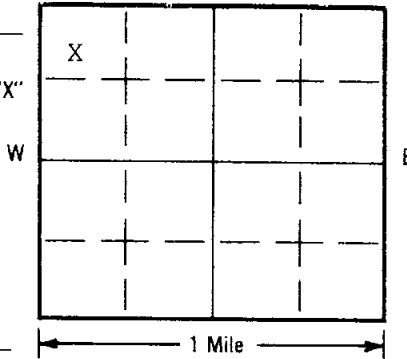
Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W
 County CODINGTON

Please mark well location with an "X"



Well Completion Date

9/4/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE: INJECTION WELL

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>69 LB/FT</u>	<u>4 IN</u>	<u>0 FT</u>	<u>8 FT</u>	<u>12 1/4 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft	<u>6</u> ft
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>6</u> ft	<u>7</u> ft

Describe grouting procedure TREMIE PIPED

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 4 IN Length 10 FEET

Material STAINLESS STEEL

Slot Size 20 Set From 8 Feet to 18 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

YES, How: _____

X NO, Why Not? _____

ENVIRONMENTAL WELL

Laboratory sent to for water
 quality analysis

Well Owner: MAGELLAN PIPELINE SERVICES

Business Name: MAGELLAN PIPELINE SERVICES

Address: ONE WILLIAMS CENTER, MD 27-3
TULSA, OK 74172-0172

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
SANDY CLAY BLK/BRN MED	0	3
SANDY CLAY SAND BROWN SOFT?MED	3	5
SAND GRAVEL BROWN HARD	5	7
SAND GRAVEL COBBLES BROWN HARD	7	11
WET SAND BROWN SOFT	11	15
WET SAND SANDY CLAY BROWN SOFT	15	17

STATIC WATER LEVEL 11' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____

☐ Bailed _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

IW#9

This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIOUX FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-9

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 18 fbg to 8 fbg

DATE COMPLETED: September 4, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 18 fbg to 7 fbg

DRILLING METHOD: HSA

CASING SIZE & TYPE: 4" PVC

SETTING: 8 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 7 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

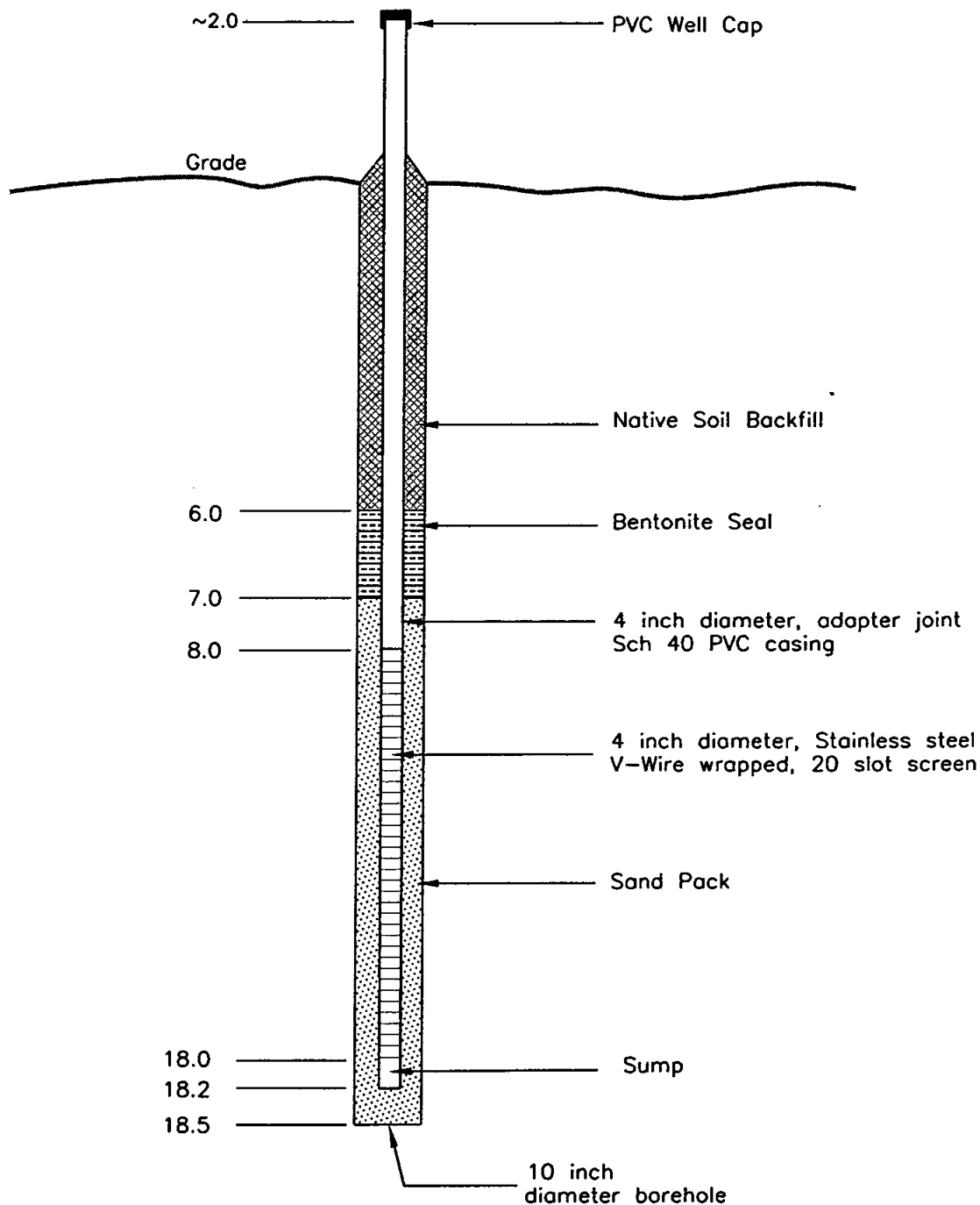
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	4	SS	1.5	ND	SILT, with clay and sand, fine grained, some pebbles, dark brown.
4	5	SS		ND	SAND, fine to coarse grained, with pebbles, brown, dry.
5	7	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
7	9	SS	1.5	ND	SAND, fine to coarse grained, with large pebbles, brown, dry.
9	11	SS	1.5	ND	SAND, fine to coarse grained, with large pebbles, brown, dry.
11	13	SS	1.5	ND	SAND, very fine to medium grained, with pebbles, brown, wet.
13	15	SS	1.5	3	SAND, medium to very coarse grained, with large pebbles, brown, wet.
15	16	SS	1.5	3	SAND, medium to very coarse grained, with large pebbles, brown, wet.
16	17	SS		ND	CLAY, with silt and sand, with pebbles, brown, very dense.
					END OF BORING

Well Construction Diagram IW-9

Not to Scale



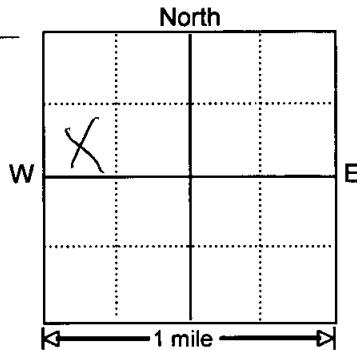
Installation Date: September 4, 2003

Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 128 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA		
			IW-9 INJECTION WELL CONSTRUCTION DIAGRAM		
			FILE: well schem IW9.dwg	DATE: Sept 03	FIGURE:

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W

Well Owner:

County CodingtonPlease mark well
location with an "X"Name: Magellan Midstream Partners, L.P.Address: One Williams Center, MD-27City, State, Zip: Tulsa OK 74172

Comments:

IW-10Plugging Completion Date October 25, 2014**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 18 feetCasing material Sch 40 PVCCasing size(s) 2-inchCasing condition Good

Hole depth _____

Hole size _____

Describe plugging procedure:

Hydrated bentonite chips to 2 feet below grade, cut off casing, backfill to grade with native soils.

Describe grout or plugging material:

MI Swaco kwik-plug chips medium 3/8 inch.**RECEIVED****JAN 12 2015****WATER RIGHTS
PROGRAM**Type of non-slip plug: Not ApplicableThis well or test hole was plugged under license # 648 and this report is true and accurate.Drilling firm: Leggette, Brashears & Graham, Inc.

Signature of Licensed Representative: _____

Signature of Well Owner: _____

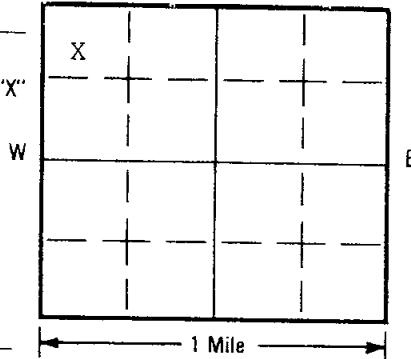
Date: 1/7/15

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 NW 1/4 Sec 4 Twp 116N Rg 52W
County CODINGTON

Please mark well location with an "X"



Well Completion Date

9/4/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from UNKNOWN (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

H.S.A.

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>69 LB/FT</u>	<u>4 IN</u>	<u>0 FT</u>	<u>8 FT</u>	<u>12 1/4 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>CEMENT</u>	<u>2</u>	_____ lb./gal	<u>0</u> ft.	<u>6</u> ft.
<u>BENTONITE</u>	<u>1</u>	_____ lb./gal	<u>6</u> ft.	<u>7</u> ft.

Describe grouting procedure TREMIE PIPED

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 4" IN Length 10 FEET

Material STAINLESS STEEL

Slot Size 20 Set From 8 Feet to 18 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

_____ YES, How: _____

X NO, Why Not? _____

Laboratory sent to for water quality analysis

ENVIRONMENTAL WELL

Well Owner: MAGELLAN PIPELINE SERVICES

Business Name: MAGELLAN PIPELINE SERVICES

Address: ONE WILLIAMS CENTER, MD 27-3

TULSA, OK 74172-0172

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
SANDY CLAY BLK/BRN MED	0	3
sandy clay sand gravel brn md/Hd 3		5
SANDY CLAY SAND GRAVEL BROWN HARD 5		9
SAND BROWN SOFT	9	13
SAND WET BROWN SOFT	13	15
SAND COBBLES BROWN HARD	15	17
SANDY CLAY BROWN SOFT	17	19

STATIC WATER LEVEL 14' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____

☐ Bailed _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After 1 3/4 Hrs. pumped 95 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

IW#10

This well was drilled under license # 475

And this report is true and accurate.

Drilling firm THEIN WELL COMPANY

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIoux FALLS, SOUTH DAKOTA

OWNER: Magellan Pipeline Company, LLC

WELL NO.: IW-10

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: Magellan Pipeline Company, LLC
Watertown Terminal, Watertown, SD

SCREEN SIZE & TYPE: 4" Stainless Steel

SLOT NO.: 20 SETTING: 18 fbg to 8 fbg

DATE COMPLETED: September 4, 2003

SAND PACK SIZE & TYPE: Red Flint #30

DRILLING COMPANY: Thein Well Company

SETTING: 18 fbg to 7 fbg

CASING SIZE & TYPE: 4" PVC

DRILLING METHOD: HSA

SETTING: 8 fbg to approximately 2 feet

SAMPLING METHOD: Split-spoon

SEAL TYPE: Pure Gold Med. Bentonite Chips

OBSERVER: Melissa Karstens

SETTING: 7 fbg to 6 fbg

REFERENCE POINT (RP):

BACKFILL TYPE: Native to surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: Approximately 2 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION:

DURATION: YIELD:

REMARKS:

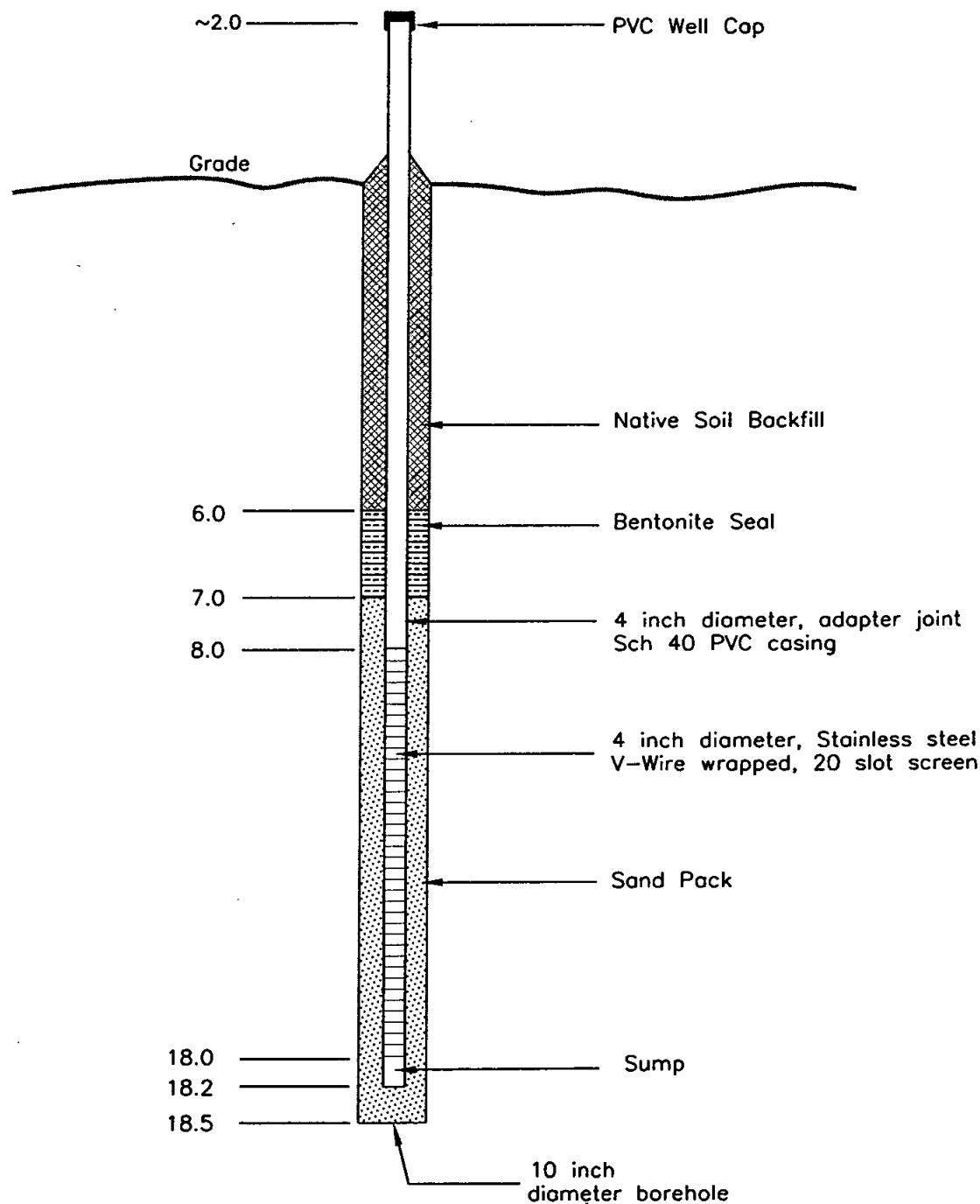
ABBREVIATIONS: SS = SPLIT SPOON W = WASH C = CUTTINGS CSTS = CONTINUOUS SAMPLE TUBE SYSTEM

REC = RECOVERY PPM = PARTS PER MILLION FBG = FEET BELOW GRADE FP = FREE PRODUCT

DEPTH (FEET)		SAMPLE TYPE	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO				
0	3	SS	--	--	Auger
3	3.5	SS	1.5	ND	SILT, with sand, fine grained, some clay, dark brown, dry.
3.5	5	SS		ND	SAND, very fine to medium grained, with pebbles, brown, dry.
5	7	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
7	9	SS	1.5	ND	SAND, fine to coarse grained, with pebbles, brown, dry.
9	11	SS	1	ND	SAND, very fine to fine grained, with pebbles, brown, dry.
11	13	SS	1.5	ND	SAND, very fine to medium grained, with pebbles, brown, wet.
13	15	SS	1.5	5	SAND, very fine to medium grained, with pebbles, brown, wet.
15	17	SS	1	3	SAND, very coarse grained, with pebbles, brown, wet.
17	18	SS	1.5	2	SAND, medium to coarse grained, with pebbles, brown, wet.
18	19	SS		ND	CLAY, with silt and sand, few pebbles, brown, very dense.
					END OF BORING

Well Construction Diagram IW-10

Not to Scale



Installation Date: September 4, 2003

Surveyed Elevations in feet AMSL
Top of riser:
Ground surface:

DATE	REVISED	 LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 East Hinks Lane, Suite 128 Sioux Falls, South Dakota 57104 (605) 334-6000	MAGELLAN PIPELINE COMPANY, LLC WATERTOWN TERMINAL TRUCK OVERFILL WATERTOWN, SOUTH DAKOTA		
			IW-10 INJECTION WELL CONSTRUCTION DIAGRAM		
			FILE: well schem IW10.dwg	DATE: Sept 03	FIGURE: