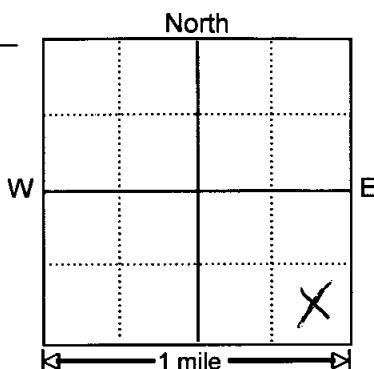


SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SE ¼ SE ¼ Sec 1 Twp 102N Rg 60W

Well Owner:

County DavidsonPlease mark well
location with an "X"Name: City of MitchellAddress: P.O. Box 278City, State, Zip: Mitchell SD 57301

Comments:

MW-5dPlugging Completion Date 4-9-2014**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 50 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. Well was excavated by landfill contractor during excavation of new landfill cell.

RECEIVED

Describe grout or plugging material:

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

JAN 22 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 of Well Owner: _____

Date: _____

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

SIoux FALLS, SOUTH DAKOTA

OWNER: City of Mitchell

WELL NO.: MW-5d

PAGE 1 OF 1 PAGE(S)

SITE LOCATION: New Mitchell Landfill

SCREEN SIZE & TYPE: 2" PVC

SLOT NO.: 10 SETTING: 50 fbg to 45 fbg

DATE COMPLETED: 12-9-2002

SAND PACK SIZE & TYPE: 16-30 Dakota Gold Silica Sand

DRILLING COMPANY: American Technical Services

SETTING: 50 fbg to 43 fbg

CASING SIZE & TYPE: 2" PVC

DRILLING METHOD: HSA

SETTING: 45 fbg to ≈3 feet

SAMPLING METHOD: CSTS

SEAL TYPE: Medium Bentonite Chips

OBSERVER: M. Karstens

SETTING: 43 fbg to 41 fbg

REFERENCE POINT (RP): Grade

BACKFILL TYPE: Cement Grout to Surface

ELEVATION OF RP:

STATIC WATER LEVEL:

STICK-UP: ≈3 feet

DEVELOPMENT METHOD:

SURFACE COMPLETION: NA

DURATION: YIELD:

REMARKS:

ABBREVIATIONS: SS = SPLIT SPOON

W = WASH

C = CUTTINGS

G = GRAB

ST = SHELBY TUBE

REC = RECOVERY

PPM = PARTS PER MILLION

FAG = FEET ABOVE GRADE

FBG = FEET BELOW GRADE

DEPTH (FEET)		REC. (FEET)	DESCRIPTION
FROM	TO		
0	3	5	SILTY CLAY, with some sand, brown, Topsoil.
3	5		CLAY with silt and sand, pebbles, brown.
5	8	4	CLAY with silt and sand, pebbles, brown.
8	9		SAND, fine to coarse grained with pebbles, brown, wet.
9	10		SAND, fine to coarse grained with some clay, brown, wet.
10	13	4.5	SAND, fine to medium grained with some silt and clay, brown.
13	15		CLAY with silt and sand, pebbles, brown, moist.
15	20	5	CLAY with silt and sand, pebbles, brown, dense.
20	23.5	5	CLAY with silt and sand, pebbles, brown, dense.
23.5	25		CLAY with silt and sand, pebbles, gray, very dense.
25	30	5	CLAY with silt and sand, pebbles, gray, dense.
30	35	5	CLAY with silt and sand, pebbles, gray, dense.
35	40	5	CLAY with silt and sand, pebbles, gray, dense.
40	45	3	CLAY with silt and sand, pebbles, gray, dense, SAND, coarse gravelly, present at 43 fbg.
45	47.5	4	CLAY with silt and sand, pebbles, gray, dense, SAND, coarse gravelly, present at 47.5 fbg.
47.5	50		SILT with sand, fine grained, gray, dense.
			END OF BORING