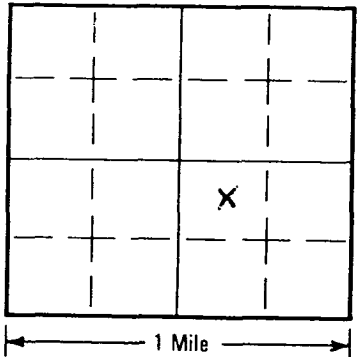


SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NW 1/4 SE 1/4 Sec 13 Twp 2N Rg 8E
 County PENNINGTON



Please mark well location with an "X"
 MW060105
 Well Completion Date
8-7-06

Well Owner: USAF
 Business Name: _____
 Address: 2103 SCOTT DRIVE
ELLSWORTH AFB, SD 57706

WELL LOG: MW060105

FORMATION	DEPTH	
	FROM	TO
<u>SANDY SILT (ML), SOME GRAVEL, DRY, NON COHESIVE</u>	<u>0</u>	<u>7</u>
<u>CLAY (CL), STAINED DARK GRAY TO GRAY WITH PETROLEUM, SOME GRAVEL, HIGH COH., LOW PLAST, MOST WEATHERED SHALE AND CLAY (CL), BROWN AND DARK GRAY</u>	<u>7</u>	<u>14</u>
<u>MORE WX SHALE</u>	<u>19</u>	<u>24</u>
<u>BLIND DRILLED</u>	<u>24</u>	<u>26</u>

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:
4.25" I.O. HOLLOW STEM AUGER

CASING DATA: Steel Plastic Other
 If other describe SCH. 40 PVC

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	<u>2</u> IN	<u>+2.9</u> FT	<u>11</u> FT	<u>8.5</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>	_____	_____ lb./gal	<u>0</u> ft	<u>7</u> ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure MIXED AND TRENIED WITH GROUT PUMP

SCREEN: Perforated pipe Manufactured
 Diameter 2 IN Length 15 FEET
 Material PVC
 Slot Size 0.010 Set From 11 Feet to 26 Feet
 Other information NO. 16-30 SILICA SAND PACK FROM 9' TO 26'

WAS A PACKER OR SEAL USED? YES NO
 If so, what material? 3/8" BENTONITE PELLETS FROM
 Describe packer(s) and location? 7' TO 9'

DISINFECTION: Was well disinfected upon completion?
 _____ YES, How: _____
 NO, Why Not? MONITORING WELL

STATIC WATER LEVEL UNKNOWN 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: UNKNOWN
 Bailed
 Other
 Pumping Level Below Land Surface
 _____ ft. After _____ Hrs. pumped _____ GPM
 _____ ft. After _____ Hrs. pumped _____ GPM
 If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

NOV - 1 2006

WATER RIGHTS PROGRAM

This well was drilled under license # 678
 And this report is true and accurate.
 Drilling firm AMERICAN ENGINEERING TESTING, INC.
 Signature of License Representative:
Byron L Schulz
 Signature of Well Owner or Equitable Property Holder:
Will S [Signature]
 Date: 5 OCT 2006

11-2-06



**AMERICAN
ENGINEERING
TESTING, INC.**

13-2N-8E

CONSULTANTS
· GEOTECHNICAL
· MATERIALS
· ENVIRONMENTAL

October 30, 2006

Mr. Ken Buhler
Department of Environment and Natural Resources
Water Rights Division
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

RECEIVED

NOV - 1 2006

**WATER RIGHTS
PROGRAM**

Subject: South Dakota Water Well Completion Report
United States Air Force
Ellsworth AFB, South Dakota
AET Nos. 18-02185, 18-02209, and 18-02257

Dear Mr. Buhler:

Enclosed please find the water well completion reports for groundwater monitoring wells MW06OU101 through MW06OU104, MW06PH01, MW06PH02, MW06OU401 through MW06OU404, MW06BG4WE01 through MW06BG4WE03, MW06BG4WW01, MW060201, MW060301, and MW060105 at the referenced site. The above work was completed under subcontract to URS Group, Inc. for the United States Air Force. If you have any questions or need any additional information please contact our office at (605) 388-0029.

Sincerely,

Byron L. Schulz, CPRR
Environmental Scientist
Project Manager

BLS

Attachments

pc w/o attachments: Joe Odegaard, URS Group, Inc.

F:\wp8\Environmental\Correspondence\URS MW Completion Reports, Oct 06.wpd