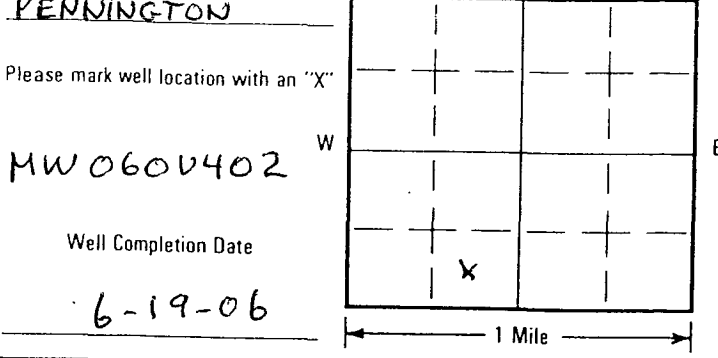


SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

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



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

WELL LOG: MW060V402

FORMATION	DEPTH	
	FROM	TO
<u>BLIND DRILLED TO 24'</u>		
<u>SANDY GRAVEL (GP), GRAVEL IS</u>	<u>24</u>	<u>26.4</u>
<u>MED TO COARSE, WET, SOME CLAY</u>		
<u>IN BOTTOM 4"</u>		
<u>WX SHALE (CL), SOME GRAVEL, WET</u>	<u>26.4</u>	<u>27.4</u>
<u>SHALE (CL), SLIGHTLY WEATHERED,</u>	<u>27.4</u>	<u>28.5</u>
<u>MOIST, DARK GRAY</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.D. 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>+2.8</u> FT	<u>23</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>19.0</u> ft
		_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure MIXED AND TRENCH WITH GROUT PUMP

SCREEN: Perforated pipe Manufactured

Diameter 2 IN Length 5 FEET

Material PVC

Slot Size 0.010 Set From 23 Feet to 28 Feet

Other information NO 16-30 SILICA SAND PACK FROM 21.0' TO 28.5'

WAS A PACKER OR SEAL USED? YES NO

If so, what material? 3/8" BENTONITE PELLETS FROM

Describe packer(s) and location? 19.0' TO 21.0'

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

Laboratory sent to for water quality analysis _____

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: [Signature]

Signature of Well Owner or Equitable Property Holder: [Signature]

Date: 5 OCT 2006

11-2-06

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

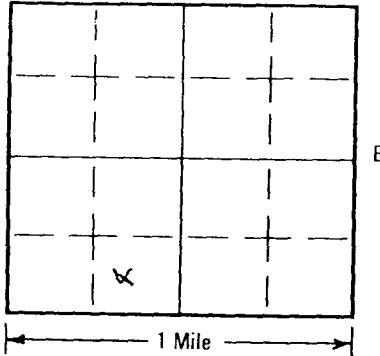
Location SE 1/4 SW 1/4 Sec 13 Twp 2N Rg 8E
 County PENNINGTON

Please mark well location with an "X"

MW0600403

Well Completion Date

6-19-06



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

WELL LOG: MW0600403

FORMATION	DEPTH	
	FROM	TO
<u>BLIND DRILLED TO 23'</u>		
<u>SANDY GRAVEL (GP), GRAVEL IS MED. TO COARSE, WET</u>	<u>23</u>	<u>24.3</u>
<u>WEATHERED SHALE (CL), SOME GRAVEL, WET</u>	<u>24.3</u>	<u>26</u>
<u>MOIST @ 26'</u>		
<u>SHALE, MORE COMPETENT IN TIP</u>	<u>26</u>	<u>27.5</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.D. 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>42.8</u> FT	<u>22</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>18.0</u> ft.
		_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure MIXED AND TRENIED WITH GROUT PUMP

SCREEN: Perforated pipe Manufactured

Diameter 2 IN Length 4.5 FEET

Material PVC

Slot Size 0.010 Set From 22 Feet to 26.5 Feet

Other information NO. 16-30 SILICA SAND PACK FROM 20.0 TO 27.5'

WAS A PACKER OR SEAL USED? YES NO

If so, what material? 3/8" BENTONITE PELLETS FROM

Describe packer(s) and location? 18.0 TO 20.0'

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

Laboratory sent to for water quality analysis _____

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

This well was drilled under license # 678 WATER RIGHTS PROGRAM

And this report is true and accurate.

Drilling firm AMERICAN ENGINEERING TESTING, INC

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: 5 OCT 2006

SOUTH DAKOTA WATER WELL COMPLETION REPORT

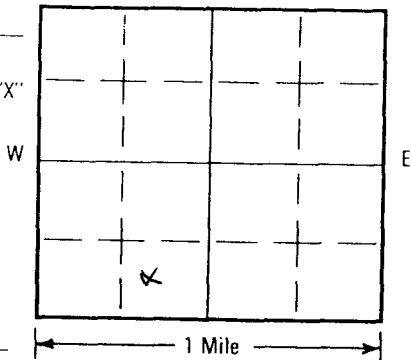
07-92

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

PENNINGTON

Please mark well location with an "X"

MW0600404



Well Completion Date

6-19-06

Well Owner: USAF

Business Name: _____

Address: 2103 SCOTT DRIVE
ELLSWORTH AFB, SD 57706

WELL LOG: MW0600404

FORMATION	DEPTH	
	FROM	TO
<u>BLIND DRILLED TO 22'</u>		
<u>SANDY GRAVEL (GP), SOME COBBLE WET</u>	<u>22</u>	<u>23.2</u>
<u>PARTIALLY WX SHALE (CL) MOIST</u>	<u>23.2</u>	<u>24</u>
<u>SHALE, MORE COMPETENT IN SAMPLE TIP</u>	<u>24</u>	<u>24.5</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.D. 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>7.8</u> FT	<u>19.0</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>15.0</u> ft.
_____	_____	_____ lb./gal	_____ ft.	_____ ft.

Describe grouting procedure MIXED AND TRENIED WITH GROUT PUMP

SCREEN: Perforated pipe Manufactured

Diameter 2 IN Length 4.5 FEET

Material PVC

Slot Size 0.010 Set From 19.0 Feet to 23.5 Feet

Other information NO. 16-30 SAND PACK FROM 17.0' TO 24.5'

WAS A PACKER OR SEAL USED? YES NO

If so, what material? 3/8" BENTONITE PELLETS FROM

Describe packer(s) and location? 15.0' TO 17.0'

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

This well was drilled under license # 678 WATER RIGHTS PROGRAM

And this report is true and accurate.

Drilling firm AMERICAN ENGINEERING TESTING, INC

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: 5 OCT 2006

Laboratory sent to for water quality analysis