

## SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

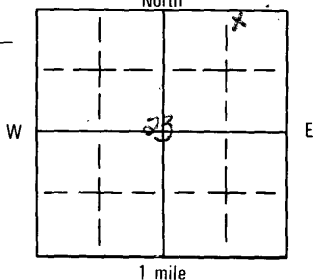
Location NE 1/4 NE 1/4 Sec 23 Twp 1N Rg 17E

County

Pennington Co.

North

Please mark well location with an "X"



1 mile

Well Completion Date 9-6-89

## PROPOSED USE:

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

Method of Drilling:

Rotary

## CASING DATA:

- ☒ Steel    ☐ Plastic    ☐ Other

If other describe \_\_\_\_\_

| PIPEWEIGHT        | DIAMETER         | FROM          | TO             | HOLE DIAMETER    |
|-------------------|------------------|---------------|----------------|------------------|
| <u>40.5</u> LB/FT | <u>10 3/4</u> IN | <u>0</u> FT   | <u>23</u> FT   | <u>12 3/4</u> IN |
| <u>20</u> LB/FT   | <u>7</u> IN      | <u>0</u> FT   | <u>783</u> FT  | <u>8 3/4</u> IN  |
| <u>10.5</u> LB/FT | <u>4 1/2</u> IN  | <u>783</u> FT | <u>3158</u> FT | <u>6 1/4</u> IN  |
| _____ LB/FT       | _____ IN         | _____ FT      | _____ FT       | _____ IN         |

## GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 1500 FEETWhat is grouting material? cementIf cement, number of sacks? 175Describe grouting procedure Pressure Grout downcasing up annulusWhat was grout weight? 15 LB/GALSCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 4 1/2 IN Length \_\_\_\_\_ FEETMaterial Set shot - 2735 to 27422758 to 2765Slot Size \_\_\_\_\_ Set From 2794 Feet To 2810 Feet3031 to 3057Slot Size \_\_\_\_\_ Set From 3058 Feet To 3060 Feet3065 to 3069Slot Size \_\_\_\_\_ Set From 3072 Feet To 3079 Feet3087.5 to 3089.5

Other information \_\_\_\_\_

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? \_\_\_\_\_

Describe packer(s) and location? \_\_\_\_\_

Was well disinfected upon completion? ☒ YES ☐ NOExplain 10 # Granular ATHBacteriological analysis ☐ YES ☒ NO

Laboratory sent to \_\_\_\_\_

Well Owner:

Name Kjerstad LivestockAddress Route 1 Box 31 Quinn, SD, 57775Well Log: See Electric Log

Depth

Formation

From

To

DAKOTA GROUP25482810Skull Creek28103030FILL liner3030STATIC WATER LEVEL 405 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

Describe: \_\_\_\_\_

☐ Other

Pumping Level Below Land Surface

615 ft. After 12 Hrs. pumped 80 GPM

\_\_\_\_\_ ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM

\_\_\_\_\_ ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM

## REMARKS:

TDS - 930Iron - 1.2 ppmTemp - 113°FHardness - 39ppgThis well was drilled under license # 205

And this report is true and accurate.

Drilling firm MATERI EXPLORATION INC.

Signature of License Representative:

[Signature]

Signature of Well Owner:

[Signature]Date 10-2-8912/4/89

**GAMMA RAY - CC**

COMPANY \_\_\_\_\_ MATERIAL EXPLORE \_\_\_\_\_

WELL DICK KJERSTAD W-N #

FIELD WILDCAT

COUNTY PENNINGTON STATE SOUTH DAKOTA

LOCATION: NTF - NTF

sec 23 TWP IN

Ground Level

FROM F. B. I.

[illegible]

Two

3157'

|       |       |
|-------|-------|
| 3109' |       |
| 3109' | DEVAL |

|    |       |
|----|-------|
| Al | 2560' |
|----|-------|

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
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En11

|      |  |
|------|--|
| 3 F. |  |
|------|--|

D. Strong

|  |  |
|--|--|
|  |  |
|  |  |

| BONE-HOLE RECORD |    | DATE |
|------------------|----|------|
| FROM             | TO |      |
|                  |    |      |

|         |     |   |
|---------|-----|---|
| Surface | 23' | 1 |
|---------|-----|---|

|      |       |   |
|------|-------|---|
| 783' | 2450' | 4 |
|------|-------|---|

|       |       |
|-------|-------|
| 2650' | 3160' |
|-------|-------|

[illegible]

K & D Perforators

GAMMA RAY - CCL

PILING NO.

COMPANY WATERI EXPLORATION

WELL DICK KJERSTAD W-N #1

FIELD WINDCAT

COUNTY PENNINGTON STATE SOUTH DAKOTA

LOCATION NE - NE

OTHER SERVICES

PERFORATE

SEC 23 TWP 1N R04 17E

PERMANENT DATUM SECOND LEVEL ELEV 2636'

LOG MEASURED FROM K.B. 5 FT ABOVE PERM. DATUM

DRILLING MEASURED FROM K.B.

ELEV. K.B. 2641'

D.F.

Q1 2636'

DATE

8/1/89

RUN NO.

TWO

TYPE LOG

G/E-CCT.

DEPTH-DRILLER

3157'

DEPTH-LOGGER

3109'

BOTTOM LOGGED INTERVAL

3108'

TOP LOGGED INTERVAL

2540'

TYPE FLUID IN HOLE

WATER

SALINITY, PPM CL

DENSITY

LEVEL

Full

MAX. REC. TEMP. DEG F.

OPERATING SIG TIME

RECORDED BY

D. Strong

WITNESSED BY

Mr. Barlett

RUN

BORE-HOLE RECORD

CASING RECORD

NO.

BIT

FROM

TO

SIZE

WOT.

FROM

TO

1

12 3/4"

Surface

23'

10"

N.A.

Surface

23'

2

8 3/4"

Surface

783'

20"

Surface

783'

3

6 1/2"

783'

2450'

4 1/2"

10 1/2"

783'

3158'

4

6 1/2"

2450'

3160'

[illegible][illegible]

**GAMMA RAY**      **DEPTH**      **CASING COLLARS**

2600

2700

PERFORATED FROM 2738 TO 2742. 9 SHOTS

PERFORATED FROM 2758 TO 2765. 15 SHOTS

2800

PERFORATED FROM 2794 TO 2810. 33 SHOTS

2900

3000

PERFORATED FROM 3031 TO 3051. 41 SHOTS

PERFORATED FROM 3058 TO 3060. 5 SHOTS

PERFORATED FROM 3065 TO 3069. 9 SHOTS

PERFORATED FROM 3073 TO 3079. 13 SHOTS

PERFORATED FROM 3087½ TO 3089½. 5 SHOTS

ALL PERFORATIONS PERFORMED WITH 22.7 GRAM 3½" ALUM. STRIP JETS.

3100

3109

T.D.

Gamma Ray

Casing Collars

## Gamma Ray

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

④ I have been thinking about you a lot lately. I hope you are doing well. I have been busy with work, but I always find time to think about my friends. Please write back when you have a chance. I would love to hear from you.