

7 1/2' Des Moines NE Quad  
414343N-0933637-01  
80-24N-23BAD  
1976 field located  
Elev. 990' CI=10'

IOWA GEOLOGICAL SURVEY  
In Cooperation with U.S. Geological Survey  
RECORD OF WELL

9802

Location: IN WELL FIELD  
NORTH OF ANKENY

(NE)

Town: ANKENY (SW) County POLK

NEAR SEC SW sec. 11 T. 80 N., R. 24 W. Twp

Well name and number \_\_\_\_\_

Owner ANKENY TOWN WELL (MSR) Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor THORPE WELL CO. Address DES MOINES, IOWA

Drillers \_\_\_\_\_

Drilling dates \_\_\_\_\_

Well data:

Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface \_\_\_\_\_ feet

Determined by \_\_\_\_\_

Topographic position \_\_\_\_\_

Total depth: Reported 175 feet; Measured \_\_\_\_\_ feet

Drilling method ROTARY

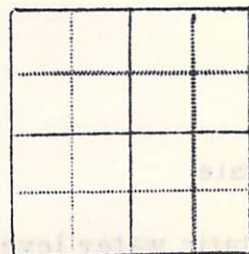
Hole and casing data \_\_\_\_\_

Original depth to water \_\_\_\_\_ above  
ft. below \_\_\_\_\_ Date \_\_\_\_\_

Source of data \_\_\_\_\_

Sources of water: Principal \_\_\_\_\_

Others \_\_\_\_\_



# PRODUCTION DATA

Date

Static water level

Measuring point

Pumping water level

Yield (g. p. m.)

Duration of pumping

Specific capacity

## LABORATORY DATA

N137-10

well No. **9802** sample range **0-185'** No. of samples **37**

No. of dupls. and cond. **37** **Good** washed range

Samples prepared by **O. Thomas** Date **6/18/59**

Logged by **NORTHUP** Date **8/8/60**

Correlations by Date **8/8/60**

Iowa Department of Natural Resources  
Geological Survey Bureau  
Geology and Mineral Resources Section

WELL HEADER RECORD

County Number \_ \_ Well Number 09802

| Stratigraphy | Lithology<br>(primary,<br>secondary,<br>minor) | Penetration<br>Code | Contact<br>Accuracy | Depth<br>to Top | Depth<br>to Bottom |
|--------------|------------------------------------------------|---------------------|---------------------|-----------------|--------------------|
| S S G F M    |                                                |                     |                     |                 |                    |

01000  
30000

DIA  
U - -

1  
F

1  
2

6  
185

185  
186

need date - SL PF received

04/08/88 - GEOSTRAT. DBF record entry

12/28/88 - Audited in GEODE.DOC

QUESTIONS - RESTDY - STRAT

01/08/90 - \_\_\_\_\_ .DBF record update STRAT (need printout)

- Audited in GEODE.DOC

QUESTIONS - RESTDY, ques-STRAT + HDRITEMS

02/12/90 - PF to GSB memo - GSBCHK, VER PE/32/WNO 98p2. VER

d t

02/12/90 13:42:08

g

Concurrent Computer Corp DS/32 EDIT32 03-145 R08-02.3

g uno09802.ver

t1-

1 177414343933639133 6 WND: 09802 CARD 1

2 230000300003 990 186 WND: 09802 CARD 2

3 321 8024W23BADD09802 WND: 09802 CARD 3

4 4185G AD 103 WND: 09802 CARD 4

5 501000 DIA11 0 185

6 530000 U F7 185 186

end

PAT -END OF TASK CODE= 0 PROCESSOR=0.122 TSK-ELAPSED=10

gsbcheck uno09802.ver

## WELL HEADER RECORD

275

County Number 77 Well Number 9802

Latitude 414343 Longitude 933639 Accuracy 2

Sequence# 1 BR Top 3 Hole Bottom 3

BR Strat 30000 Bottom Strat 30000 Strat Code 1

Altitude 990 Accuracy 3 Well Depth 186

Location: Tier 80 Range 24 E/W W Section 23 Quarter BADD

Depth to Bedrock 184 Data available G Types of Exposures A

Surficial Lith *AD* Basement Lith *U*

Economic properties Driller# 103

*RE STUDY**04/08/88 ENTRY*WELL DETAIL RECORD (01/08/90) *update STRAT*

County Number 77 Well Number 9802

| Stratigraphy | Lithology<br>(primary,<br>secondary,<br>minor) | Penetration<br>Code | Contact<br>Accuracy | Depth<br>to Top | Depth<br>to Bottom |
|--------------|------------------------------------------------|---------------------|---------------------|-----------------|--------------------|
| SSGFM        |                                                |                     |                     |                 |                    |
| 0            |                                                |                     |                     | 0               | 0                  |
| 0            |                                                |                     |                     | 0               | 0                  |
| 1000         | DIA                                            | 1                   | 1                   | 0               | 185                |
| 30000        | U                                              | F                   | 2                   | 185             | 186                |
| 0            |                                                |                     |                     | 0               | 0                  |
| 0            |                                                |                     |                     | 0               | 0                  |

Input sequence number of first and last well you want to verify.

Enter Well Count of first well:

1

Enter Well Count of last well:

1

WELL COUNT: 1 BEGINNING AT IN LINE 1

\*\*\*COUNTY: 77 WELL: T 80R 24W 23 BADD W-09802

ERROR SUMMARY:

SURFICIAL LITHOLOGY ON HEADER AND UNIT CARDS DOES NOT AGREE

INVALID FORMATION ON HEADER CARD

BEDROCK FORMATION BLANK BUT DEPTH TO BEDROCK NOT ZERO

RECORD WITH ERRORS:

177414343933639100 4

2 3 990 185

321 8024W23BADD09802

4184G AAU 103

WELLS READ COUNT: 1

PAT -END OF TASK CODE= 0 PROCESSOR=0.186 TSK-ELAPSED=5

09802

WELL HEADER RECORD

303

County Number 77 Well Number 9802  
Latitude 414343 Longitude 933639 Accuracy 2  
Sequence# 1 BR Top 0 Hole Bottom 3  
BR Strat 33000 Bottom Strat 33000 Strat Code 1  
Altitude 990 Accuracy 3 Well Depth 185  
Location: Tier 80 Range 24 E/W W Section 23 Quarter BADD  
Depth to Bedrock 184 Data available G Types of Exposures A  
Surficial Lith A Basement Lith U  
Economic properties Driller# 103

77POLK

Record Entry 04-08-88 (CREATED)  
Update

09802

WELL DETAIL RECORD (11/17/89) STRAT CODES NEEDED

County Number 77 Well Number 9802

| Stratigraphy | Lithology<br>(primary,<br>secondary,<br>minor) | Penetration<br>Code | Contact<br>Accuracy | Depth<br>to Top | Depth<br>to Bottom |
|--------------|------------------------------------------------|---------------------|---------------------|-----------------|--------------------|
| SSGFM        |                                                |                     |                     |                 |                    |
| 0            |                                                |                     |                     | 0               | 0                  |
| 0            |                                                |                     |                     | 0               | 0                  |
| 0            |                                                |                     |                     | 0               | 0                  |

77POLK

12/28/89 audit - need coding STRAT 11/17/89  
- to 340D 11/21/89

GEO CODING & DATA ENTRY FORM

Columns Entry Item/Field (Valid Values) RECORD TYPE 1

01-01 = 1 RECORD TYPE  
 02-03 = 77 COUNTY NUMBER (Table 1) POLK (Ankeny)  
 04-09 = 41 43 43 LATITUDE (ddmmss)  
 10-15 = 93 36 39 LONGITUDE (ddmmss)  
 16-16 = 1 SEQUENCE NUMBER  
 17-17 = 0 SYSTEM TOP CODE (Table 2)  
 18-18 = 3 SYSTEM BOT CODE (Table 2)  
 19-20 = 7 TOTAL RECORDS FOR WELL

Columns Entry Item/Field (Valid Values) RECORD TYPE 2

01-01 = 2 RECORD TYPE  
 02-06 = 33000 BEDROCK TOP CODE (Table 3)  
 07-11 = 33000 BEDROCK BOT CODE (Table 3)  
 12-12 = 3 ALTITUDE ACCURACY CODE (Table 5)  
 13-16 = 990 ALTITUDE (feet)  
 17-20 = 185 TOTAL DEPTH (feet)

Columns Entry Item/Field (Valid Values) RECORD TYPE 3

01-01 = 3 RECORD TYPE  
 02-02 = 2 LATLON ACCURACY CODE (Table 6)  
 03-03 = 1 STRATIGRAPHIC DATA CODE (Table 7)  
 04-06 = 80 TIER NUMBER ( 065 - 100 )  
 07-09 = 24 W RANGE NUMBER ( 07E - 49W )  
 10-11 = 23 SECTION NUMBER ( 01 - 36 )  
 12-15 = BADD QUARTERS ( A B C D )  
 16-20 = 09802 W-NUMBER

## GEO CODING &amp; DATA ENTRY FORM

Columns Entry Item/Field (Valid Values) RECORD TYPE 4

|         |     |                                     |
|---------|-----|-------------------------------------|
| 01-01 = | 4   | RECORD TYPE                         |
| 02-04 = | 184 | DEPTH TO BEDROCK (feet)             |
| 05-06 = | G   | LOG DATA TYPE CODE (Table 9)        |
| 07-07 = | A   | EXPOSURE TYPE CODE (Table 10)       |
| 08-08 = | A   | SURFICIAL LITHOLOGY CODE (Table 11) |
| 09-09 = | U   | BASEMENT LITHOLOGY CODE (Table 12)  |
| 10-10 = |     | ECONOMIC VALUE CODE (Table 13)      |
| 11-11 = |     | ECONOMIC SYSTEM CODE (Table 3)      |
| 12-12 = |     | ECONOMIC VALUE CODE (Table 13)      |
| 13-13 = |     | ECONOMIC SYSTEM CODE (Table 3)      |
| 14-14 = |     | ECONOMIC VALUE CODE (Table 13)      |
| 15-15 = |     | ECONOMIC SYSTEM CODE (Table 3)      |
| 16-16 = |     | ECONOMIC VALUE CODE (Table 13)      |
| 17-17 = |     | ECONOMIC SYSTEM CODE (Table 3)      |
| 18-20 = | 103 | WELLDRIILLER'S NUMBER (Table 17)    |

Columns Entry Item/Field (Valid Values) RECORD TYPE 5

|         |   |                                     |
|---------|---|-------------------------------------|
| 01-01 = | 5 | RECORD TYPE                         |
| 02-06 = |   | SSGFM STRATIGRAPHIC CODES (Table 3) |
| 07-07 = |   | blank                               |
| 08-08 = |   | PRIMARY LITHOLOGY CODE (Table 14)   |
| 09-09 = |   | SECONDARY LITHOLOGY CODE (Table 14) |
| 10-10 = |   | MINOR LITHOLOGY CODE (Table 14)     |
| 11-11 = |   | PENETRATION CODE (Table 15)         |
| 12-12 = |   | CONTACT ACCURACY CODE (Table 16)    |
| 13-16 = |   | DEPTH TO TOP OF INTERVAL (feet)     |
| 17-20 = |   | DEPTO TO BOT OF INTERVAL (feet)     |

NUMBER COUNTY STRLOC PFORM DEFREC PEFIL GSBCHK ONLINE Status Report 12/08/89 GSBCHK#1 - GSBCHK#4

01-0490  
wait  
again

FRIDAY 12-15-89 / 2:00

Bob,  
The hit list with are  
the 25 in looking  
for at Oakdale ...  
Thanks,  
Pat

01-03-90

Retrieved PF from Oakdale  
all 09802 to re-route  
to RA to have coding  
completed

| NUMBER | COUNTY        | STRLOC | PFORM  | DEFREC | PEFIL  | GSBCHK | ONLINE | Status Report                                    | 12/08/89 |
|--------|---------------|--------|--------|--------|--------|--------|--------|--------------------------------------------------|----------|
| 08866  | 39 GUTHRIE    | 041389 | 041389 | 041389 | 110689 | 111789 |        | 112189 RESTUDY - SL&PF to 3400                   |          |
| 09802  | 77 POLK       | 040888 | 040888 | 040888 | 110689 |        |        | 112189 RESTUDY - Strat not coded - SL&PF to 3400 |          |
| 13515  | 77 POLK       | 040888 | 040888 | 040888 | 110689 |        |        | 112189 RESTUDY - SL&PF to 3400                   |          |
| 16861  | 77 POLK       | 040888 | 040888 | 040888 | 110689 | 111789 | 120789 | 112189 RESTUDY - SL&PF to 3400                   |          |
| 19427  | 83 SHELBY     | 033088 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 19793  | 30 DICKINSON  | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 19979  | 37 GREENE     | 033088 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 20017  | 37 GREENE     | 033088 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 20027  | 83 SHELBY     | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 20233  | 28 DELAWARE   | 033088 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 20431  | 37 GREENE     | 033089 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 20481  | 65 MILLS      | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 20537  | 37 GREENE     | 033089 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 20638  | 69 MONTGOMERY | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 20746  | 69 MONTGOMERY | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 21234  | 84 SIDUX      | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 21554  | 69 MONTGOMERY | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 21693  | 37 GREENE     | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 21711  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 21774  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 22276  | 69 MONTGOMERY | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 22458  | 37 GREENE     | 033088 | 033088 | 033088 | 110689 | 111789 | 120789 | 112189 SL&PF to 3400                             |          |
| 22559  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 22679  | 69 MONTGOMERY | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 22687  | 24 CRAWFORD   | 031588 | 031588 | 031588 | 110689 | 111789 |        | 112189 SL&PF to 3400                             |          |
| 22788  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 120189 |        | 120589 SL&PF to 3400                             |          |
| 23321  | 83 SHELBY     | 033088 | 033088 | 033088 | 110689 |        |        | 120589 SL&PF to 3400                             |          |
| 23425  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 120189 |        | 120589 SL&PF to 3400                             |          |
| 23456  | 37 GREENE     | 033088 | 033088 | 033088 | 110689 | 112289 | 120789 | 120589 SL&PF to 3400                             |          |
| 23462  | 14 CARROLL    | 033088 | 033088 | 033088 | 110689 | 112289 | 120789 | 112189 SL missing - PF to 3400                   |          |
| 23609  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23637  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23659  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23667  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23749  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23838  | 57 LINN       | 082589 | 082589 | 082589 | 110689 |        | 120789 | 120589 SL&PF to 3400                             |          |
| 23928  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23938  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23939  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 23971  | 69 MONTGOMERY | 031588 | 031588 | 031588 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 24031  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 24032  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 24192  | 24 CRAWFORD   | 033088 | 033088 | 033088 | 110689 | 112289 | 120789 | 120589 SL&PF to 3400                             |          |
| 24321  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 24444  | 77 POLK       | 033088 | 033088 | 033088 | 110689 |        |        | 120589 SL&PF to 3400                             |          |
| 24657  | 67 MONROE     | 033088 | 033088 | 033088 | 110689 |        | 120789 | 120589 SL&PF to 3400                             |          |
| 24685  | 52 JOHNSON    | 033088 | 033088 | 033088 | 110689 | 112289 | 120789 | 120589 SL&PF to 3400                             |          |
| 24712  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 24716  | 15 CASS       | 033088 | 033088 | 033088 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |
| 24729  | 69 MONROE     | 031588 | 031588 | 031588 | 110689 | 112289 |        | 120589 SL&PF to 3400                             |          |

3