

WELL DRILLERS REPORT
SOUTH DAKOTA WATER RIGHTS COMMISSION

4-78

Well Owner:
Name Doug Johnson Fredston
Address Belle Fourche, S.D. 57717

Well Location:

Mark location with an "X"

1 mile

County BUTTE
NE 1/4 SW 1/4 Sec. 36 Twp. 8N Rg. 2E

Proposed Use:
☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:
☒ Forward Rotary ☐ Bored ☐ Jetted
☐ Reverse Rotary ☐ Cable ☐ Other

Well Construction:

Diameter of Hole 6 1/4 + 3 1/2
Depth 280
Casing ☐ Steel ☐ Concrete
☒ Plastic ☐ Other
If other, specify _____

Was casing end left open YES
Was a well screen installed NO
Describe Well Screen
Diameter _____ Material _____
Slot size _____
Was well gravel packed YES
Was well grouted YES
Was water sample taken _____

Remarks:

Water Level Information:
Static water level _____ below land surface
If flowing: closed in pressure 11 PSI
rate of flow 30 GPM
Controlled by:
☒ Valve ☐ Reducers ☐ Other
If other; specify _____

Well Test Data:

☐ Pumped _____
☐ Bailed Describe: _____
☐ Other _____
Pumping Level Below Land Surface
_____ ft. After _____ Hrs. pumped _____ GPM
_____ " " " " " "
_____ " " " " " "

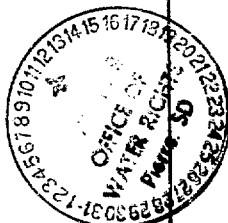
Well Log:

Formation	Depth	
	From	To
<u>SURFACE</u>	<u>0</u>	<u>6</u>
<u>BUFF SHALE</u>	<u>6</u>	<u>10</u>
<u>LARGE SAND</u>	<u>10</u>	<u>14</u>
<u>GRAY SHALE</u>	<u>14</u>	<u>16</u>
<u>WHITE SAND</u>	<u>16</u>	<u>19</u>
<u>LIGHT GRAY SHALE</u>	<u>19</u>	<u>21</u>
<u>TAN SAND ROCK</u>	<u>21</u>	<u>35</u>
<u>TAN SAND</u>	<u>35</u>	<u>36</u>
<u>GRAY SHALE</u>	<u>36</u>	<u>40</u>
<u>TAN SAND ROCK</u>	<u>40</u>	<u>42</u>
<u>WHITE SAND</u>	<u>42</u>	<u>70</u>
<u>BUFF SAND</u>	<u>70</u>	<u>74</u>
<u>WHITE SAND</u>	<u>74</u>	<u>76</u>
<u>CREAKY SAND</u>	<u>76</u>	<u>77</u>

(Use Back if Necessary)

Date Completed: Sept. 26 - 1979

Driller: Mike R. Drilling 0721
Driller's or Firm's Name License NO.
Belle Fourche
Address
Mike R. Drilling 10-9-79
Signed By Date



- 84-86 GRAY SHALE
- 86-91 TAN, BUFF, REDISH BROWN SAND ROCK
- 91-93 GRAY, GREEN SHALE
- 93-96 TAN, BUFF SAND ROCK
- 96-99 GRAY, GREEN SHALE
- 99-105 WHITE SAND Flowed to Balcon
- 105-190 GRAY, GREEN, REDISH BROWN SANDY SHALE
- 190-192 TAN SAND ROCK
- 192-193 GRAY SILTY SHALE
- 193-196 SLTSTONE
- 196-227 GRAY SILTY SHALE
- 227-265 TAN & WHITE SAND
- 265-280 GRAY, GREEN, WHITE SHALE

Butte

Sept. 17-79 Doug Johnson (Lead stone ...)
 Sept. 26-79 false bottom limestone. N $\frac{1}{2}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$ sec)
 S. 10.15 (T 8N R 2E 36)

- 1-6 Surface
- 6-10 Buff shale
- 10-14 Large gravel
- 14-16 Gray shale
- 16-19 Large gravel
- 19-21 Light gray shale
- 21-35 Tan sandrock
- 35-36 Tan sand
- 36-40 Gray shale
- 40-42 Tan sandrock
- 42-70 white + pink shale
- 70-74 Buff sandrock
- 74-76 Light gray + green shale
- 76-77 Creamy colored sand
- 77-83 Light gray + green shale
- 83-84 Creamy colored sand
- 84-86 Gray shale
- 86-91 Tan, buff, reddish brown sandrock
- 91-93 Gray, green, shale
- 93-96 Tan, buff, sandrock
- 96-99 Gray, green, shale
- 99-105 White sand. - Flowed to yellow
- 105-190 Gray green, reddish brown sandy shale
- 190-192 Tan sandrock
- 192-193 Gray silty shale
- 193-196 Siltstone
- 196-227 Gray silty shale
- 227-265 Tan + white sand
- 265-280 Gray, green, + white shale

Cased 228 ft. of 4 inch plastic
 scheduled 40. Cemented with 60
 sacks regular cement. Flowed
 31.0. 11.0. D. S. I