

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

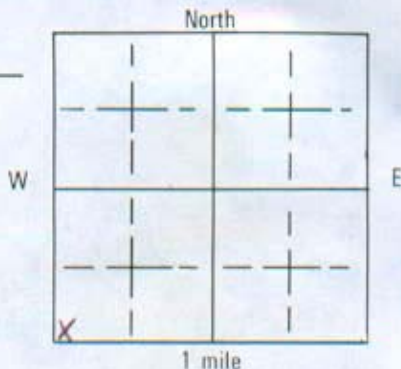
10-85

Location SW 1/4 SW 1/4 Sec 16 Twp 128N Rg 28W

County

Campbell

Please mark well location with an "X"



Well Owner:

Name Rick ChewakinAddress PO Box 6Pollock, S.D. 57648Plugging completion Date 8-3-95

CHECK APPROPRIATE BOX

EXISTING WELL

E1 Vapor Extraction Well

TEST HOLE



Well depth

21 feet

Casing material

PVC - sch. 40

Casing size(s)

4"

Casing condition

Good

Hole depth

Hole size



Describe plugging procedure:

Place Tremie Pipe in bottom of well and pump Grout into well. Casing left in place and below ground level.

Describe grout or plugging material:

Portland cement mixed at 94 lb. bag to 6 gals. Water

Type of non-slip plug:

This well or test hole was plugged under license #

78

And this report is true and accurate.

Drilling firm

Gem Star and Associates Inc.

Signature of Licensed Representative

Merlyn Jirana, License # 647

Signature of Well Owner

R-C Lewis Rick Chewakin

Date

8-29-95

Project: Wilbert's Service

Date: 10-28-92

Location: Pollock, SD

SE 1/4 SW 1/4 Section: 16 Township: 128N Range: 78W

Rig No: GS7500

Drillers Lisc. No: 78

DENR No: 91.613

Time: 9:15

Co: Campbell

BORING/WELL LOG NO: E1

DEPTH FIELD DESCRIPTION

0 5" concrete

1

2

3

4 yellow sandy clay, damp

5

6

7

8 brown fine sand

9

10

11

12 brownish-gray fine sand

13

14

15

16 gray fine sand

17

18

19

20 gray coarse sand, saturated

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

VAPOR

PPM

1

2

3

4 N/D

5

6

7

8 420

9

10

11

12 1210

13

14

15

16 1180

17

18

19

20 1260

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

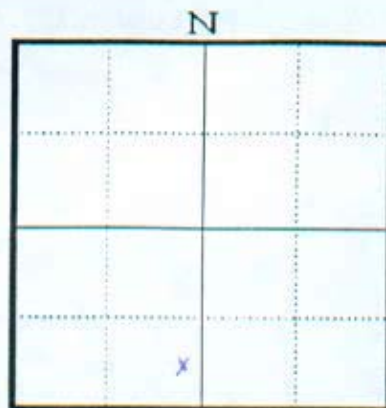
47

48

49

50

TO REPRESENT THE WELL
LOCATION PLACE AN "X" IN
THE RELATIVE LOCATION ON
THE MAP TO THE RIGHT



WELL DESIGN INFORMATION

A. Protective Cover Type

12" flush cover

B. Well Cover Type

4" J plug

C. Riser Type & Dia.

4" PVC sch 40

E. Riser Backfill Mat.

grout

F. Seal Material

grout & bentonite

G. Screen Dia. 4"

Opening .030"

Boring Dia. 11"

H. Pack Type

pea-rock

VERTICAL MEASUREMENTS

D1. Height, Top of protector

N/A

D2. Grout

1.5'

D3. Sealer

.5'

D4. Pack

20' pea-rock

D5. Casing Size and Type

2'-4" PVC

D6. Screen Size and Type

20'-4" .030 PVC

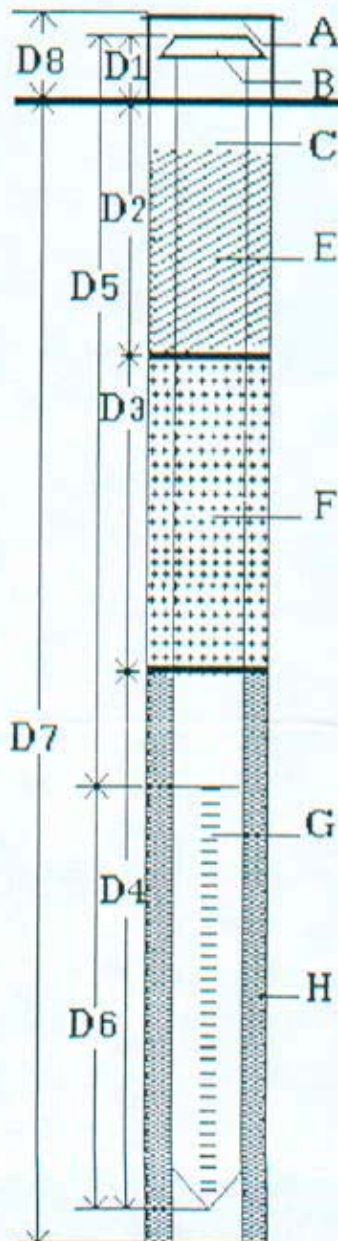
D7. Total Well Depth

22.5'

D8. Protective Cover

STATIC WATER LEVEL

(From Casing Top)



REMARKS: Location: 27'E of SE corner of station. Jar samples: PWS-E1-8', 12', 16', 20'

Operator: Merlyn Jirava

Inspected By:

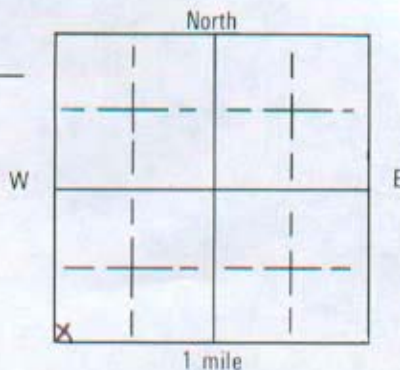
Jim Beckham

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

10-85

Location SW 1/4 SW 1/4 Sec 16 Twp 128N Rg 78W

County

CampbellPlease mark well
location with
an "X"

Well Owner:

Name Rick ChewakinAddress PO Box 6Pollock, S.D. 57648Plugging completion Date 8-3-95

CHECK APPROPRIATE BOX

EXISTING WELL

E2
Vapor Extraction Well

TEST HOLE



Well depth

23 feet

Casing material

PVC-sch. 40

Casing size(s)

4"

Casing condition

Good

Hole depth

Hole size



Describe plugging procedure: place tremie pipe at bottom of well
and pump Grout into well. Casing left in place and
below ground level.

Describe grout or plugging material: Portland cement mixed at 94lb. bag
to 6 gals. water

Type of non-slip plug:

This well or test hole was plugged under license # 78 And this report is true and accurate.Drilling firm Gem Star Associates Inc.

Signature of Licensed Representative

Mark J. Jansen, License # 647

Signature of Well Owner

R-C Service Rick Chewakin

Date

8-29-95

Project: RC Service
Date: 10-26-92
Location: Pollock, SD
SW 1/4 SE 1/4 Section: 16 Township: 128N Range: 78W
Rig No: GS7500
BORING/WELL LOG NO: E2

DENR No: 91.257
Time: 5:15
Co: Campbell
Drillers Lisc. No: 78

DEPTH FIELD DESCRIPTION

0	concrete 4"-6"
1	
2	
3	
4	clay, gray, damp
5	
6	
7	
8	very fine sand, brown
9	
10	
11	
12	medium sand, gray
13	
14	
15	
16	medium sand, gray
17	
18	
19	
20	medium to coarse sand, wet, strong
21	smell of product @ 20'
22	silt clay
23	TD, silty clay
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	

VAPOR

0	PPM
1	
2	
3	
4	289
5	
6	
7	
8	247
9	
10	
11	
12	420
13	
14	
15	
16	335
17	
18	
19	
20	475
21	
22	87
23	21
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	

TO REPRESENT THE WELL
LOCATION PLACE AN "X" IN
THE RELATIVE LOCATION ON
THE MAP TO THE RIGHT



WELL DESIGN INFORMATION

A. Protective Cover Type
18"x24" modified flush
cover

B. Well Cover Type
4" J Plug

C. Riser Type & Dia.
4" PVC

E. Riser Backfill Mat.
grout

F. Seal Material
bentonite

G. Screen Dia. 4"
Opening .030
Boring Dia. 11"

H. Pack Type
pea-rock

VERTICAL MEASUREMENTS
D1. Height, Top of protector

D2. Grout

3' grout

D3. Sealer

4" bentonite

D4. Pack

20' of pea rock

D5. Casing Size and Type

2.5' of 4" PVC

D6. Screen Size and Type

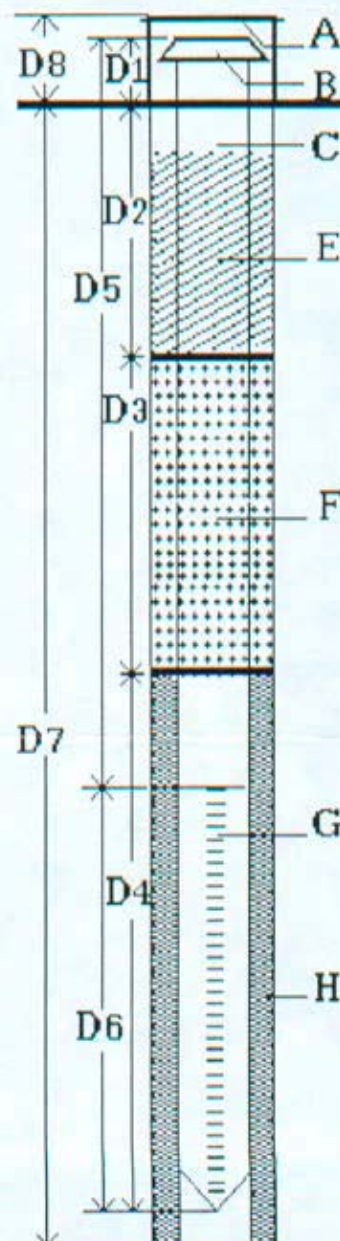
20" of 4" PVC

D7. Total Well Depth

23'

D8. Protective Cover

STATIC WATER LEVEL
(From Casing Top)



REMARKS: Location: 35'W & 7'S of NW corner of station. Jar sample: PRCS-E2-20'

Operator: Merlyn Jirava

Inspected By:

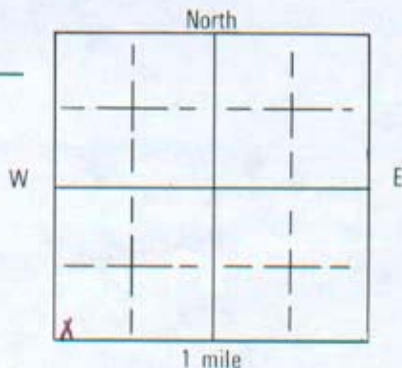
Jim Dechman

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

10-85

Location SW 1/4 SW 1/4 Sec 16 Twp 28N Rg 78W

County

CampbellPlease mark well
location with
an "X"

Well Owner:

Name Rick ChewakinAddress PO Box 6Pollock, S.D. 57648Plugging completion Date 8-3-95

CHECK APPROPRIATE BOX

EXISTING WELL

☒ mw1
Monitoring Well

TEST HOLE



Well depth

28.6 feet

Casing material

PVC-Sch. 40

Casing size(s)

2"

Casing condition

Good

Hole depth

Hole size



Describe plugging procedure:

Place tremie pipe at bottom of well and
pump Grout into well. Casing left in place and below
ground level.

Describe grout or plugging material:

Portland Cement mixed at 94 lb. bag
to 6 gals. water

Type of non-slip plug:

This well or test hole was plugged under license #

78

And this report is true and accurate.

Drilling firm

Gem Star Associates Inc.

Signature of Licensed Representative

Mark J. Jarama, License #647

Signature of Well Owner

R-C Service Rick Chewakin

Date

8-29-95

Project RC Service

Date 07/24/91

Location: Pollock, SD

SW 1/4 SE 1/4 Section 16 Township 128N Range 78W

Rig No. GS7500

Drillers Lisc. No. 78

BORING/WELL LOG NO. 7

DENR No.

Time 7:00

Co. Campbell

DEPTH FIELD DESCRIPTION

0	gravel
1	
2	silty clay
3	
4	sand silty
5	
6	
7	
8	sand very fine silty
9	
10	
11	
12	sand very fine silty
13	
14	
15	
16	sand some clay
17	
18	
19	
20	
21	
22	clay silty sample
23	tube wet
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	

VAPOR

0	PPM
1	
2	
3	
4	N/D
5	
6	
7	
8	N/D
9	
10	
11	
12	2.0
13	
14	
15	
16	N/D
17	
18	
19	
20	N/D
21	
22	1.5
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	

TO REPRESENT THE WELL LOCATION PLACE AN "X" IN THE RELATIVE LOCATION ON THE MAP TO THE RIGHT



WELL DESIGN INFORMATION

A. Protective Cover Type
flush

B. Well Cover Type

C. Riser Type & Dia.

2" pvc sch 40

E. Riser Backfill Mat.

grout bentonite

F. Seal Material

bentonite

G. Screen Dia. 2"

Opening .010

Boring Dia. 6.5

H. Pack Type

sand

VERTICAL MEASUREMENTS

D1. Height, Top of protector

D2. Grout

2'

D3. Sealer

3'

D4. Pack

16'

D5. Casing Size and Type

15' of casing

D6. Screen Size and Type

15' of screen

D7. Total Well Depth

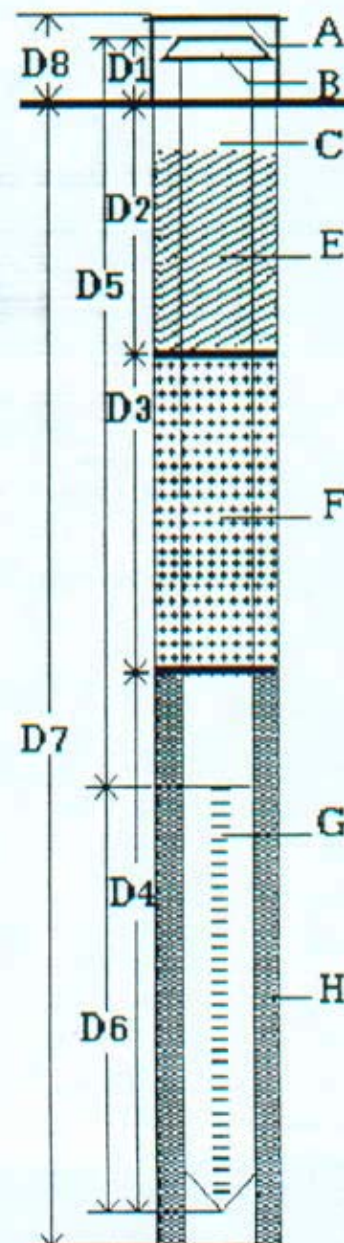
28'6"

D8. Protective Cover

STATIC WATER LEVEL

(From Casing Top)

22.94



REMARKS: Bench 4.86—Elevation 4.44 GL; 2.84 CT—Location 45' W & 6' S of SW corner of station

Operator: Merlyn Jirava

Inspected By: Jim Peckham, Sr.

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

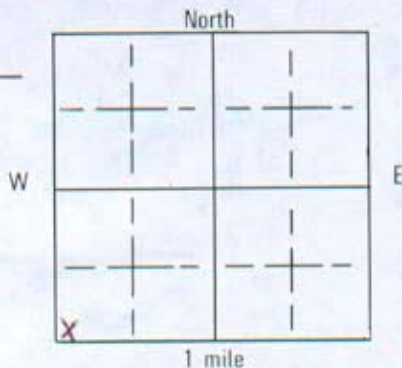
10-85

Location SW 1/4 SW 1/4 Sec 16 Twp 128N Rg 78W

County

Campbell

Please mark well location with an "X"



Well Owner:

Name Rick ChewakinAddress PO Box 6Pollock, S.D. 57648

Plugging completion Date _____

CHECK APPROPRIATE BOX

EXISTING WELL

☒ MWS
monitoring wellTEST HOLE ☐

Well depth

30 feet

Hole depth _____

Casing material

PVC - Sch. 40

Hole size _____

Casing size(s)

2"

Casing condition

Good

Describe plugging procedure:

Place tremie pipe at bottom of well and Pump Grout into well. Casing left in place and below ground level.

Describe grout or plugging material:

Portland Cement mixed at 94 lb. bag to 6 gals. water.

Type of non-slip plug: _____

This well or test hole was plugged under license #

78

And this report is true and accurate.

Drilling firm

Gem Star Associates Inc.

Signature of Licensed Representative

Mary Juana, License # 642

Signature of Well Owner

R C Service Rick Chewakin

Date

8-29-95



Project RC Service

Date 07/24/91

Location: Pollock, SD

SW 1/4 SE 1/4 Section 16 Township 128N Range 78W

Rig No. GS7500

Drillers Lisc. No. 78

BORING/WELL LOG NO. 8

DENR No.

Time 10:00

Co. Campbell

DEPTH FIELD DESCRIPTION

DEPTH	FIELD DESCRIPTION
0	loam
1	
2	
3	
4	sandy clay
5	
6	
7	
8	sandy clay
9	
10	
11	
12	sand
13	
14	
15	
16	sand med to fine
17	
18	
19	
20	sand med to cr
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	

VAPOR

PPM

1

2

3

4 N/D

5

6

7

8 N/D

9

10

11

12 5.0

13

14

15

16 80

17

18

19

20 35

21

22 25

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

TO REPRESENT THE WELL LOCATION PLACE AN "X" IN THE RELATIVE LOCATION ON THE MAP TO THE RIGHT



WELL DESIGN INFORMATION

A. Protective Cover Type
flush

B. Well Cover Type

C. Riser Type & Dia.

2" pvc sch 40

E. Riser Backfill Mat.

grout

F. Seal Material

bentonite

G. Screen Dia. 2"

Opening .010

Boring Dia. 6.5

H. Pack Type

sand

VERTICAL MEASUREMENTS

D1. Height, Top of protector

D2. Grout

2'

D3. Sealer

3'

D4. Pack

16'

D5. Casing Size and Type

15' of casing

D6. Screen Size and Type

15' of screen

D7. Total Well Depth

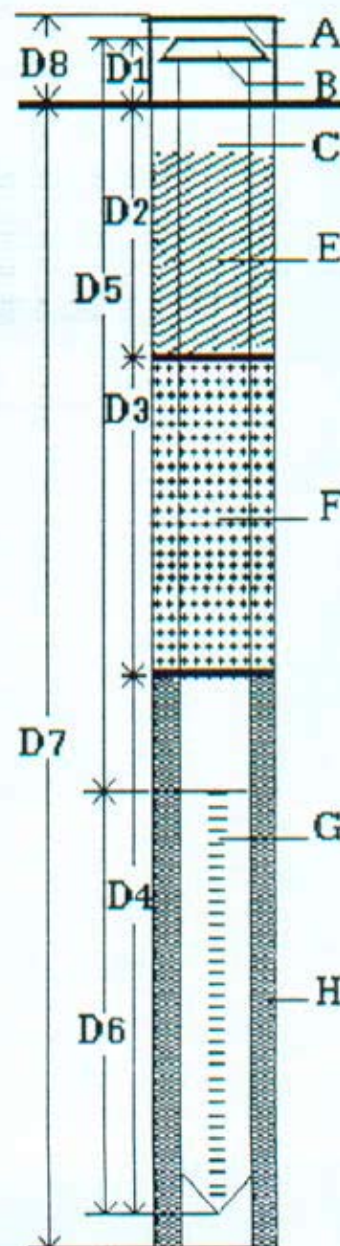
30'

D8. Protective Cover

STATIC WATER LEVEL

(From Casing Top)

20.90



REMARKS: Bench 4.86—Elevation 4.44 GL; 4.68 CT—Location 15' W & 13' N of SW corner of station—Jar sample

PRC-SB8-22

Operator: Merlyn Jirava

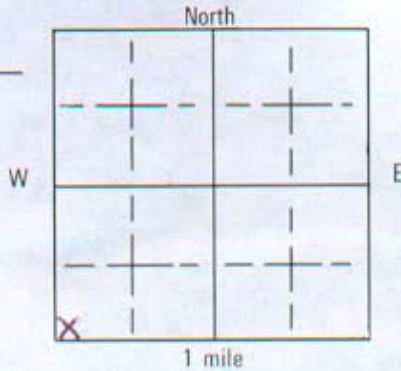
Inspected By: Jim Peckham, Sr.

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

10-85

Location SW 1/4 SW 1/4 Sec 16 Twp 128N Rg 78 W

County

CampbellPlease mark well
location with
an "X"

Well Owner:

Name Rick ChewatinAddress PO Box 6Pollock, S.D. 57648Plugging completion Date 8-3-95

CHECK APPROPRIATE BOX

EXISTING WELL

☒ mw 9
Monitoring Well

TEST HOLE



Well depth

30 Feet

Casing material

PVC, -sch. 40

Casing size(s)

2"

Casing condition

Good

Hole depth

Hole size



Describe plugging procedure:

Place Tremie pipe at bottom of well and
pump Grout into well. Casing left in place and
below ground level.

Describe grout or plugging material:

Portland Cement mixed at 94 lb bag
to 6 gals. water

Type of non-slip plug:

This well or test hole was plugged under license #

78

And this report is true and accurate.

Drilling firm Gem Star Associates Inc.Signature of Licensed Representative Mary Jane, License #647Signature of Well Owner R-Service Rick ChewatinDate 8-29-95

Project RC Service

Date 07/24/91

Location: Pollock, SD

SW 1/4 SE 1/4 Section 16 Township 128N Range 78W

Rig No. GS7500

Drillers Lisc. No. 78

BORING/WELL LOG NO. 9

DENR No.

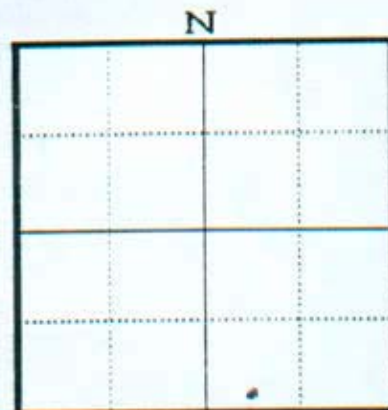
Time 12:00

Co. Campbell

DEPTH **FIELD DESCRIPTION**

DEPTH	FIELD DESCRIPTION	VAPOR
0	gravel	PPM
1		
2		
3		
4	sand fine silty	N/D
5		
6		
7		
8	sand fine silty	N/D
9		
10		
11		
12	sand med to cr; grayish in color	65
13		
14		
15		
16	sand med to fine	100
17		
18		
19		
20	sand med to cr	110
21	sand med to fine wet	25
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		

TO REPRESENT THE WELL LOCATION PLACE AN "X" IN THE RELATIVE LOCATION ON THE MAP TO THE RIGHT



WELL DESIGN INFORMATION

A. Protective Cover Type
flush

B. Well Cover Type

C. Riser Type & Dia.
2" pvc sch 40

E. Riser Backfill Mat.
grout

F. Seal Material
bentonite

G. Screen Dia. 2"
Opening .010

Boring Dia. 6.5

H. Pack Type
sand

VERTICAL MEASUREMENTS

D1. Height, Top of protector

D2. Grout

2"

D3. Sealer

3'

D4. Pack

16'

D5. Casing Size and Type

15' of 2" casing

D6. Screen Size and Type

15' of 2" screen

D7. Total Well Depth

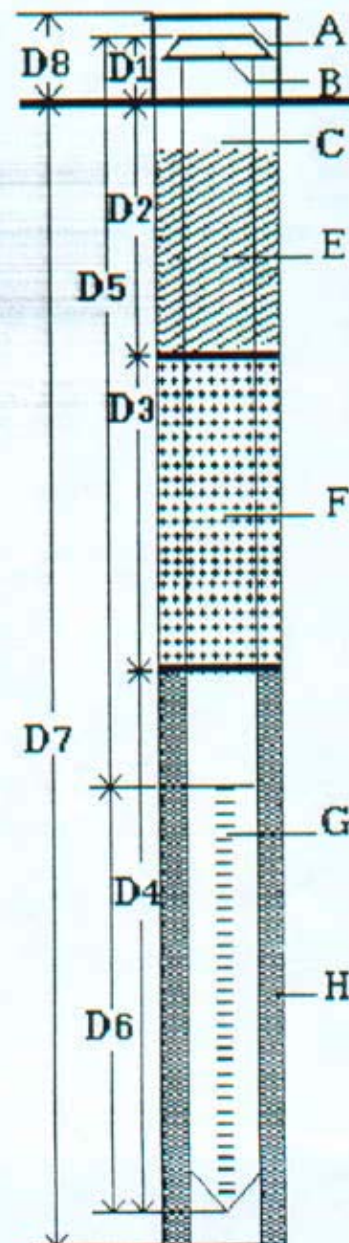
30'

D8. Protective Cover

STATIC WATER LEVEL

(From Casing Top)

20.20



REMARKS: Bench 4.86— Elevation 4.64 GL; 4.86 CT—Location 46' due W of NW corner of station—Jar sample
PRC-SB9-20

Operator: Merlyn Jirava

Inspected By: Jim Peckham, Sr.