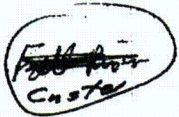


OWM-55



NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner: Tennessee Valley Authority (Name) (Address)

Date well drilling completed: 9-15-81 Purpose of well: Observation (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-465	Blk sh	735	ft.
465-530	IB gy clst & ss	45.8	ft.
530-550	Rd & yw-brn ss		
550-605	IB gn sltst & gn-gy clst	Name of producing aquifer (if known): Lakota	
605-645	Gy clst w/gy-wht sltst	Total depth of drill hole: 835	ft.
645-680	Gy ss	Depth to bottom of casing: 735	ft.
680-720	Gy w/gn clst	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
720-760	IB rd & yw-brn ss, gy sltst & rd-brn & brngy clst	4" blk iron 10#/ft	
760-835	Tn ss	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
		open hole 735-835	
		If a flowing well, flow of completed well: NA G.P.M.	

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: HP

Type of pump: Capacity of installed pump: G.P.M.

Depth of pump placement: ft., Date of pump installation:

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed: ft., tube diameter: tube material:



Name of Pump Installation Contractor

~~Fall River~~
Custer

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed	8-17-81	Purpose of well	Observation
		(domestic, irrigation, municipal, industrial, other)	

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-420	Blk sh	714	ft.
		49.7	ft.
420-490	18 gy clst & ss	Name of producing aquifer (if known)	Lakota
490-585	18 gy, pk & orng slts & rd-brn & gn clst	Total depth of drill hole	780 ft.
585-615	Gy-gn & rd-brn clst	Depth to bottom of casing	714 ft.
615-650	Gy-wht sltst	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
650-690	Gy & gn clst	4" blk iron 10#/ft	
690-735	Gy w/rd & ywbrn ss w/brn-gy clst	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
735-778+	Tn & yw-brn ss	open hole 714-780	
		If a flowing well, flow of completed well	NA G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP

Type of pump _____ Capacity of installed pump _____ G.P.M. _____

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Name of Pump Installation Contractor



(1) WELL CONSTRUCTION

Well owner Tennessee Valley Authority
(Name) (Address)

Date well drilling completed 8-17-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-420	Blk sh	Depth to static water level	503 34.2 ft.
420-500	1B gy clst & ss	Name of producing aquifer (if known)	Fall River
500-580	Gy, rd & tn ss w/gy & brn clst	Total depth of drill hole	580 ft.
		Depth to bottom of casing	503 ft.
		Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
		4" blk iron 10#/ft	
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
		open hole 503-580	
		If a flowing well, flow of completed well	NA G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M. _____

Depth of pump placement _____ ft., Date of pump installation _____

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____
tube material _____.

Name of Pump Installation Contractor



6-1-21

Cluster

Location of well: NE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner Tennessee Valley Authority
(Name)

Date well drilling completed 8-17-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	503	ft.
0-420	Blk sh	Depth to static water level	34.2	ft.
420-500	18 gy clst & ss	Name of producing aquifer (if known)	Fall River	
500-580	Gy, rd & tn ss w/gy & brn clst	Total depth of drill hole	580	ft.
		Depth to bottom of casing	503	ft.
		Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.		
		4" blk iron 10#/ft		
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.		
		open hole 503-580		
		If a flowing well, flow of completed well	NA	G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

Company name and size of pump _____ HP _____
Type of pump _____ Capacity of installed pump _____ G.P.M. _____
Depth of pump placement _____ ft., Date of pump installation _____

On some wells an air-tight water surface measuring tube is required. See Section 45.408 of Chapter 45.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____
tube material _____.

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

Fall River

WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner: Tennessee Valley Authority

(Name)

(Address)

Date well drilling completed: 8-18-81

Purpose of well: Observation

(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-430	Blk sh	715	ft.
430-500	IB gy clst & ss	42.4	ft.
500-550	Gy & rd-brn ss	Lakota	
550-580	Gy wht sltst w/gy-gn clst	800	ft.
580-595	Rd, orng & yw-brn & gy ss	715	ft.
595-605	Gy wht sltst & gy-gn clst	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
605-660	Gy ss w/gy sltst & gn clst	4" blk Iron 10#/ft	
660-690	Gy wht sltst & gn clst		
690-700	Gy w/orng ss		
700-745	IB brn & gy, tr yw ss	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
745-800	Brn-gy & rd ss	open hole 715-800	

Attach sheet if more space is needed

If a flowing well, flow of completed well: NA G.P.M.

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: HR

Type of pump: Capacity of installed pump: G.P.M.

Depth of pump placement: ft., Date of pump installation:

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed: ft., tube diameter: tube material:



Name of Pump Installation Contractor

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Custer

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner: Tennessee Valley Authority

(Name)

(Address)

Date well drilling completed: 8-14-81

Purpose of well: Observation

(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer
0-425	Blk sh	692
425-495	IB gy clst & ss	Depth to static water level: 26.6
495-505	Rd & brn ss	Name of producing aquifer (if known): Lakota
505-525	Gy clst	Total depth of drill hole: 800
525-530	Rd & orng -brn clst	Depth to bottom of casing: 692
530-545	Brn & rd-brn ss	Casing information: In the space below show kind, size, weight, length per diameter, etc., for production casing and surface casing, if used.
545-555	Gy & wht sltst w/fy-gn clst	4" blk iron 10#/ft
555-585	Orng, rd & brn ss	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.
585-610	Gy-wht sltst w/gn clst	open hole 692-800
610-640	Tn-gy ss	If a flowing well, flow of completed well: NA
640-650	Gy clst & gy wht sltst	
650-700	Gy & gn clst	
700-730	Tn, orng & rd-brn ss	
730-745	IB Gy ss & sltst	
745-800	Tn-brn ss	

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump

HR

Type of pump

Capacity of installed pump

G.P.M.

Depth of pump placement

ft., Date of pump installation

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required. See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed

ft., tube diameter

tube material

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

Full River
Custer

(1) WELL CONSTRUCTION

Location of well: SE 1/4 NE 1/4 Section 20 Township 6S Range R1

Well owner Tennessee Valley Authority

(Name)

(Address)

Date well drilling completed 9-14-81

Purpose of well Observation

(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-440	Blk sh
440-505	1B gy clst & ss
505-565	RD & yw-brn ss w/rd-br & gy clst
565-575	Rd-brn clst
575-600	Rd 7 rd-brn ss-siltst
600-620	1B gy clst & ss

Depth to top of water producing aquifer 609 ft.

Depth to static water level 32.2 ft.

Name of producing aquifer (if known) Lakota

Total depth of drill hole 620 ft.

Depth to bottom of casing 609 ft.

Casing information: In the space below show kind, size, weight, length per
diameter, etc., for production casing and surface casing, if used.

4" blk iron 10#/ft

Screen information: In the space below show length of screen below bottom
of casing, diameter and kind of screen or casing perforations.

open hole 609-620

If a flowing well, flow of completed well NA G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump HR

Type of pump HR Capacity of installed pump HR G.P.M.

Depth of pump placement HR ft., Date of pump installation HR

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM
WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed HR ft., tube diameter HR
tube material HR

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

Custer

(1) WELL CONSTRUCTION

Location of well SE 1/4 NE 1/4 Section 20 Township 6S Range 1E

Well owner Tennessee Valley Authority
(Name)

(Address)

Date well drilling completed 8-14-81 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-430	Blk sh	504	ft
430-510	lb gy clst & ss	26.2	ft
510-600	Tn-gy & rd-brn ss w/ gy, gn & rd clst	Fall River	
		Total depth of drill hole	580 ft
		Depth to bottom of casing	504 ft
		Casing information: In the space below show kind, size, weight, length per diameter, etc., for production casing and surface casing, if used.	
		4" blk iron 10#/ft	
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or sealing perforations.	
		open hole 504-580	
		If a flowing well, flow of completed well NA	

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

- On some wells an air-tight water surface measuring tube is required. See Section 48.402 of Chapter 48.4, MINNESOTA WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

led 3705-15

Dewey, Fred

(1) WELL CONSTRUCTION

Location of well: SW 1/4 NW 1/4 NE Section 29 Township 6S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 6-26-78 Purpose of well: Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing equifer	840	ft.
0-20	Brown Soil	Depth to static water level		ft.
20-530	Gray Shale	Name of producing aquifer (if known)	Lakota	
530-545	Gray Sandstone	Total depth of drill hole	1000	ft.
545-620	Lt. Gray & Brown Mudstone & Siltstone	Depth to bottom of casing	966	ft.
620-690	Lt. Gray Sandstone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.		
690-720	Dark Gray Shale w/Light Gray Siltstone	1" Scheduling 40 Black Iron		
720-740	Gray Sandstone	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.		
740-770	IB Dark Gray Shale, Gray-Green Mudstone			
770-820	Gray Sandstone	Torch Slotted 903-966		
820-840	Gray Shale			
840-955	IB AA & Yellow-Brown Siltstone-Sandstone	If a flowing well, flow of completed well		
955-975	Red & Yellow Sandstone			
975-1000	Green w/Variegated Mudstone	G.P.M.		

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: _____ HP

Type of pump: _____ Capacity of installed pump: _____ G.P.M.

Depth of pump placement: _____ ft., Date of pump installation: _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed: _____ ft., tube diameter: _____, tube material: _____

Name of Pump Installation Contractor



Lab 3705-15
SCHEDULE
Dewey quad

1997

Well owner Tennessee Valley Authority, P.O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-27-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

30th Nov 1942
Farmers' Meeting
and Social
Fruit & Veg

Brook - P 1638
Sage Meadow ~ 130 ft
Knox ~ 100 ft
Shall Cr ~ 250 ft

1" Scheduling 40 Black Iron

Screen information in the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Torch Slotted 630-672

If a flowing well, flow of completed well. _____ C.P.M.

Silver King Mines, Inc.
Name of Drilling Contractor

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M. _____

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required. See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____
tube material _____.

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SW 1/4 NW 1/4 NE Section 29 Township 6S Range 1E

Well owner Tennessee Valley Authority, P.O. Box 49, Edgemont, South Dakota
(Name) (Address)Date well drilling completed 6-27-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	605	ft.
0-20	Brown Sandy Soil	Depth to static water level		ft.
20-540	Gray Shale	Name of producing aquifer (if known)	Fall River	
540-605	Gray Siltstone	Total depth of drill hole	680	ft.
605-680	IB Gray Sandstone & Gray Shale	Depth to bottom of casing	672	ft.
		Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.		
		1" Scheduling 40 Black Iron		
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.		
		Torch Slotted 630-672		
		If a flowing well, flow of completed well		G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump HP

Type of pump Capacity of installed pump G.P.M.

Depth of pump placement ft., Date of pump installation

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed ft., tube diameter
tube material

Name of Pump Installation Contractor



7-2-30 ddc
Fall River

Use 3570210

NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well: SW 1/4 SE 1/4 SE Section 30 Township 7S Range 2E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-8-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	ft.
0-25	Yellow-Brown Sandy Soil	50	ft.
25-30	Gray Mudstone	Depth to static water level	21.9' ft.
30-40	Red Shale	Name of producing aquifer (if known)	Fall River
40-55	Gray Mudstone w/Gray Sandstone	Total depth of drill hole	127 ft.
55-80	Lt. Gray Sandstone	Depth to bottom of casing	126' ft.
80-100	Dark Gray Shale & Siltstone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
100-125	Gray Sandstone	1" Scheduling 40 Black Iron	
125-127	Lt. Tan-Gray Claystone		
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
		Torch Slotted 84-126	
		If a flowing well, flow of completed well _____ G.P.M.	

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

7-2930ddc(a)
Fall River

led 3520+10
Burdock quad

(1) WELL CONSTRUCTION

Location of well SW 1/4 SE 1/4 SE Section 30 Township 7S Range 2E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 6-7-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-30	Yellow & Brown Sandy Mudstone	215	ft.
30-45	Red Shale	+26	ft.
45-50	Gray Mudstone	Name of producing aquifer (if known)	Lakota
50-90	Lt. Gray & Tan Sandstone	Total depth of drill hole	325 ft.
90-125	Dark Gray Claystone with Brown-Gray Sandstone	Depth to bottom of casing	294 ft.
125-175	IB Gray & Green Claystone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
175-180	Red Shale	1" Scheduling 40 Black Iron	
180-185	Green Claystone	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
185-200	Lt. Gray Sandstone		
200-215	Variegated Mudstone	Torch Slotted 252-294	
215-235	Lt. Gray-White Sandstone		
235-260	Gray-Green Mudstone	If a flowing well, flow of completed well est. 3 G.P.M.	
260-280	IB Brown Sandstone & AA		
280-305	Gray-Brown Mudstone-Siltstone	Silver King Mines, Inc. Name of Drilling Contractor	
305-320	Black Shale		
320-325	Gray-Green Shale		

(2) PUMP INSTALLATION

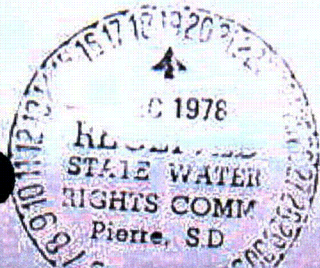
Company name and size of pump _____ HP _____
Type of pump _____ Capacity of installed pump _____ G.P.M.
Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

3625+15
Edgemont quad
SCHEDULED

(1) WELL CONSTRUCTION

Location of well NE 1/4 NW 1/4 NW Section 23 Township 8S Range 2E
 Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
 (Name) (Address)
 Date well drilling completed 6-7-78 Purpose of well Observation
 (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-25	Brown Sand	260	ft.
25-260	Gray Shale	47.9	ft.
260-280	Gray Sandstone	Name of producing aquifer (if known)	Fall River
280-315	Gray Claystone	Total depth of drill hole	390
315-335	Gray Sandstone	Depth to bottom of casing	378
335-360	IB Gray Sandstone, Gray Claystone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
360-390	Gray Sandstone	1" Scheduling 40 Black Iron	
Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.		torch slotted 336-378	
If a flowing well, flow of completed well		G.P.M.	

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP.
 Type of pump _____ Capacity of installed pump _____ G.P.M.
 Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

0 0 366a
Fall River

SCOTT TOWN

3625+15
Columbia, S.D.

(1) WELL CONSTRUCTION

Location of well: NE 1/4 NW 1/4 N.1 Section 23 Township 8S Range 2E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 6-29-78 Purpose of well: Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	520	ft.
0-20	Brown Soil	Depth to static water level:	136.5	ft.
20-340	Gray Shale	Name of producing aquifer (if known):	Lakota	
340-370	18 Brown & Gray Mudstone & Gray Sandstone	Total depth of drill hole	660	ft.
370-420	Brown Mudstone	Depth to bottom of casing	630	ft.
420-440	Gray Sandstone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.		
440-490	Gray Shale w/Gray Sandstone	1" Scheduling 40 Black Iron		
490-510	Gray Sandstone	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.		
510-520	Green Mudstone & Siltstone			
520-575	Gray Sandstone			
575-640	Red Sandstone & Conglomerate			
640-650	Red Conglomerate & Dark Gray Shale	Torch Slotted 588-630		
650-660	Gray-Green Shale	If a flowing well, flow of completed well _____ G.P.M.		

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

Full River
Ad 2420-15
SCHEDULED
Integrated

(1) WELL CONSTRUCTION

Location of well SW 1/4 SE 1/4 Section 10 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
 (Name) (Address)

Date well drilling completed 11-7-78 Purpose of well Observation
 (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-20	Weathered Brown Clay and Silt	504	ft.
20-250	Dark Gray Shale		
250-375	Interbedded Gray Claystone and Lt. Gray Sandstone		
375-410	Dark Gray Claystone		
410-505	Lt. Gray-White Siltstone and Green Claystone		
505-550	Red-Brown Sandstone w/Gray Mudstone		

Depth to static water level _____ ft.
 Name of producing aquifer (if known) Lakota
 Total depth of drill hole 550 ft.
 Depth to bottom of casing 504 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4 1/2" Scheduling 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 504-550

If a flowing well, flow of completed well est. 40 G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.
 Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP.

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

 Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 11-7-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer
0-20	Weathered Brown Clay and Silt
20-250	Dark Gray Shale
250-360	Gray Sandstone w/Lt. Med. Gray Claystone & Lt. Gray Siltstone

Depth to top of water producing aquifer 315 ft.

Depth to static water level ft.

Name of producing aquifer (if known) Fall River

Total depth of drill hole 360 ft.

Depth to bottom of casing 315 ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4 1/2" Scheduling 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 315-360

If a flowing well, flow of completed well est. 2 G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump HP

Type of pump Capacity of installed pump G.P.M.

Depth of pump placement ft., Date of pump installation

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed ft., tube diameter

tube material

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 10-25-78 Purpose of well: Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	510	ft.
0-25	Brown Weathered Shale	Depth to static water level		ft.
25-235	Gray Shale	Name of producing aquifer (if known)	Lakota	
235-265	AA with Lt. Gray Sandstone Siltstone	Depth of drill hole	550	ft.
265-335	Brown Mudstone with Gray Sandstone & Gray-Green Mudstone	Depth to bottom of casing	510	ft.
335-355	Gray Shale & Sandstone Siltstone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.		
355-370	Tan-Gray Siltstone			
370-390	Gray & Green Shale	4 1/2" Black Iron Schedual 40		
390-405	Dark Brown Mudstone			
405-440	Lt. Green Claystone-Siltstone			
440-475	White Siltstone, Sandstone	Screen information: In the space below show length of screen below bottom casing, diameter and kind of screen or casing perforations.		
475-485	Green Mudstone			
485-495	Tan Mudstone-Siltstone	Open Hole 510-550		
495-510	Gray Sandstone, Brown Mudstone			
510-550	Red-Brown SS	If a flowing well, flow of completed well est. 35 G.P.M.		

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)Date well drilling completed 10-19-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	ft.
0-20	Weathered Brown Clay & Silt	377	ft.
20-250	Dark Gray Shale	Depth to static water level	ft.
250-260	Interbedded Gray Clay-stone & Lt. Gray Sandstone	Name of producing aquifer (if known) Lakota-Fuson	ft.
260-355	Gray Clay Stone	Total depth of drill hole 395	ft.
355-375	Lt. Gray-White Siltstone	Depth to bottom of casing 377	ft.
375-390	Gray & Green Shale	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
390-395	Dark Brown Mudstone		
		4 1/2" Scheduling 40 Black Iron	
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	
		Open Hole 377-395	
		If a flowing well, flow of completed well < 1 G.P.M.	

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

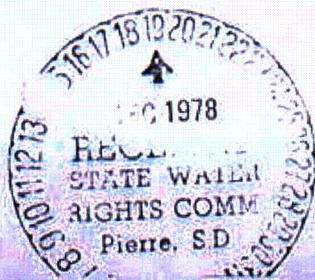
Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____
tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well: NW 1/4 NE 1/1 Section 15 Township 7S Range 1E
 Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
 (Name) (Address)
 Date well drilling completed: 10-18-78 Purpose of well: Observation
 (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-10	Weathered Brown Clay & Silt	300'	ft.
10-250	Dark Gray Shale	Depth to static water level	ft.
250-260	Interbedded Gray Claystone & Lt. Gray Sandstone	Name of producing aquifer (if known)	Fall River
260-295	Med. & Lt. Gray Claystone	Total depth of drill hole	350 ft.
295-300	AA w/trace green & Red Brown Claystone	Depth to bottom of casing	300' ft.
300-335	Lt. Gray Sandstone, Medium & Lt. Gray Claystone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
335-350	Gray-Green Mudstone, Gray Shale & Sandstone		
		4 1/2" Scheduling 40 Black Iron	
		Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.	

Attach sheet if more space is needed

Open Hole 300-350

If a flowing well, flow of completed well est. 2 G.P.M.

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____
 Type of pump _____ Capacity of installed pump _____ G.P.M.
 Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

 Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

SCHEDULED

(1) WELL CONSTRUCTION

Location of well NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)Date well drilling completed 11-6-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-10	Orange-Brown Weathered Shale	525	ft.
10-270	Dark Gray-Black Shale		ft.
270-280	AA w/Lt. Gray Siltstone Sandstone		ft.
280-390	Interbedded Dark Gray Carb. mudstone, Gray & Tan Sandstone		ft.
390-430	Dark Brown Mudstone		ft.
430-455	w/Green-Gray Claystone		ft.
455-470	Green w/Brown & Gray Claystone		ft.
470-500	Dark Brown-Gray Mudstone, trace Green Claystone; Tan Sandstone		ft.
500-525	Green Claystone w/white Lt. Tan Siltstone-Sandstone		ft.
525-570	Gray-Brown Mudstone w/Tan Sandstone		ft.
	Gray Sandstone w/Gray-Brown Mudstone		ft.

Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

4 1/2" Scheduling 40 Black Iron

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

Open Hole 525-570

If a flowing well, flow of completed well est. 35 G.P.M.

Attach sheet if more space is needed

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP.

Type of pump _____ Capacity of installed pump _____ G.P.M.

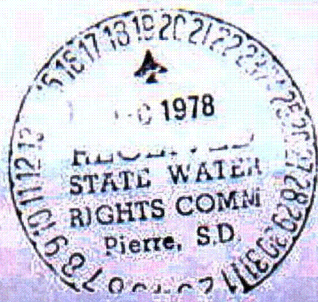
Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____ tube material _____

Name of Pump Installation Contractor



Fall River

(H) WELL CONSTRUCTION

Location of well NW 1/4 NE 1/4 Section 15 Township 7S Range 1E

Well owner Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed 11-6-78 Purpose of well Observation
(domestic, irrigation, municipal, industrial, other)

WELL LOG

[illegible]

Attach sheet if more space is needed

Silver King Mines, Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M. _____

Depth of pump placement _____ ft., Date of pump installation _____

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____
tube material _____

Name of Pump Installation Contractor



NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: SE 1/4 SW 1/4 Section 11 Township 7S Range 1E

Well owner: Tennessee Valley Authority, P. O. Box 49, Edgemont, South Dakota
(Name) (Address)

Date well drilling completed: 7-26-78 Purpose of well: Test
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-30	Brown & Gray Soil	665	ft.
30-95	Brown-Gray Mudstone, Siltstone	Depth to static water level	+ 240 ft.
95-135	18 Lt. Gray Sandstone, and	Name of producing aquifer (if known)	Sundance
135-205	Gray Mudstone, and	Total depth of drill hole	880 ft.
205-280	Variegated Mudstone & Siltstone	Depth to bottom of casing	780 ft.
280-305	Tan & Gray Sandstone	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.	
305-335	Gray Sandstone	5 1/2" 14# Steel Casing	
335-400	18 Brown-Gray Mudstone, Gray Sandstone	Screen information: In the space below show length of screen below bottom casing, diameter and kind of screen or casing perforations.	
400-665	Gray, Brown & Green Mudstones		
665-780	18 Red-Brown Sandstone and Gray & Green Claystone		
780-840	Black Shale & Gray-Green Claystone		
840-880	Red Siltstone-Mudstone		

Torch Slotted 666-780

If a flowing well, flow of completed well: 4 G.P.M.

Silver King Mines, Inc.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: HP.

Type of pump: Capacity of installed pump: G.P.M.

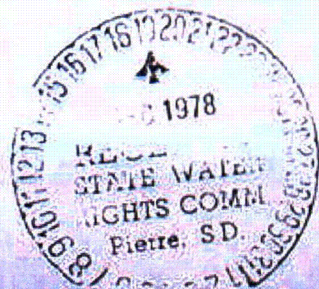
Depth of pump placement: ft., Date of pump installation:

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed: ft., tube diameter: tube material:

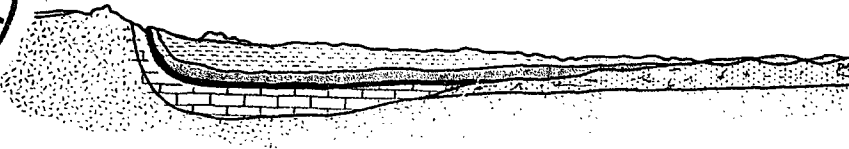
Name of Pump Installation Contractor



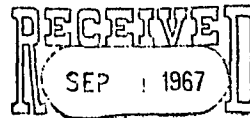


SCIENCE CENTER, UNIVERSITY OF SOUTH DAKOTA CAMPUS,
VERMILLION, 57069, PHONE 624-4471

WESTERN FIELD OFFICE, 507½ STATE ST., BELLE FOURCHE,
BOX 187, 57717, PHONE 892-3121



Western Field Office
August 31, 1967



STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

Mr. George L. Coates
Star Route
Edgemert, South Dakota

Re: ConRoy #1 State
NWSW-24-7S-1E
Fall River County, South
Dakota
Permit No. 370

Dear Mr. Coates:

Your August 28 letter has been received in which you mention you want to convert the above oil test to a water well for agricultural use.

The oil test was plugged September 10, 1964. The bond was released January 26, 1965. The State Oil and Gas Board no longer has jurisdiction over the test hole.

Approval to complete the oil test as a water well should be obtained from the Water Resources Commission, State Office Building, Pierre, South Dakota. Their phone number is Capitol 4-5911, Extension 343. Mr. Joe Grimes is the Chief Engineer.

The test was drilled to a depth of 2,467 feet. The surface casing consisted of 487 feet of 8 5/8-inch pipe cemented with 275 sacks of cement. The formation tops as picked by the company geologist are:

Dakota	50	Minnekahta	1397
Lakota	237	Minnelusa	1470
Sundance	540	2nd Converse	
Basal Sundance		sand	1525
sand	854	3rd Converse	
Spearfish	894	sand	1655
		2nd Leo zone	2060

DUNCAN J. MCGREGOR
DIRECTOR AND STATE GEOLOGIST
VERMILLION

MERLIN J. TIPTON
ASSISTANT STATE GEOLOGIST
VERMILLION

EARL J. COX
SENIOR GEOLOGIST
BELLE FOURCHE

Mr. George L. Coates

page 2

August 31, 1967

Cement plugs were placed at approximately the following depths:

420-600
835-910
1460-1525

1640-1715
2060-2135

If I can be of further help, please contact me.

Sincerely,


Earl Cox
State Geologist

EC:rp

cc: State Geologist
Water Resources Commission ✓

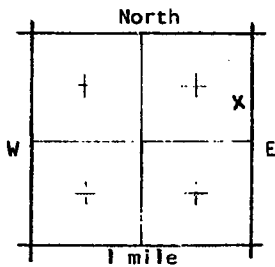
STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location SE 1/4 NE 1/4 Sec 19 Twp 65 Rg 1 E

County

CUSTER

Please mark well location with an "X"



Well Completion Date Oct 16 1984

PROPOSED USE:

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

Method of Drilling:

Rotary

WELL CONSTRUCTION: 10 5/8" 4" TO 900
 Diameter of hole 6" inches Depth 900 feet

Casing: ☐ Steel ☒ Plastic ☐ Other
 Specify 6" VENTURE MARK 4" SEA 46 SCREW

Pipe Weight Diameter From To
1b/ft 6" inches 0 feet 520 feet
1b/ft 4" inches 500 feet 900 feet

Was a well screen used? ☒ Yes ☐ No

If Not Specify

Screen Type PVC Slot Size 1/64

Length 60' Diameter 4"

Was Casing left open end? ☒ Yes ☐ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material? RUBBER

Was well gravel packed? ☐ Yes ☒ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure PRESSURE GROUT

6" PIPE 0 to 520

To what depth? 520 Feet

What was grouting material? TYPE II CEMENT

If cement, how many sacks? 100

Location of packer(s) and screen or perforated pipe PACKER 780 SCREEN 780

TO 300 - 4 1/4 - 880

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No

If so how and with what material?

Well Owner: MONIECE DEVILLE OPERATION

Name BERNARD & LOUHAM PARTNERS

Address Box 567 CASPER WYO 82402

Well Log: Depth

Formation	From	To
<u>SHALE</u>	<u>0</u>	<u>480</u>
<u>FALL RIVER</u>	<u>480</u>	<u>600</u>
<u>FUSON</u>	<u>600</u>	<u>740</u>
<u>LAKOTA</u>	<u>740</u>	<u>885</u>
<u>MARIAC</u>	<u>885</u>	<u>900</u>

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 2 PSI

GPM flow 16 through 6" inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other

If other; specify

Can well be completely shut off? YES

WELL TEST DATA:

☐ Pumped Injan Kura
☐ Bailed Describe:
☐ Other

Pumping Level Below Land Surface
 ft. After Hrs. pumped GPM
 ft. After Hrs. pumped GPM
 ft. After Hrs. pumped GPM

Remarks: NOTE THIS IS AN
OFFSET TO OLD WELL, OLD
WELL WAS CEMENTED & PUMPED
16 BAGS CEMENT IN 200 FT

This well was drilled under license # 415

and this report is true and accurate.

ZABY DRILLING Russell P. Dady
 Drilling Firm Signed by

Oct 16 1984
 Date 12-6-84

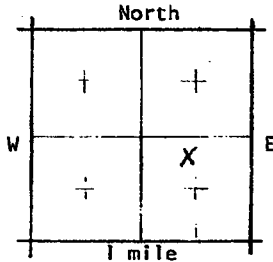
STATE OF SOUTH DAKOTA WELL DRILLER'S REPORT

Location NW 1/4 SE 1/4 Sec 18 Twp 6 S Rg 1 E

County

CUSTER

Please mark well location with an "X"



Well Completion Date Oct 2 1984

PROPOSED USE:

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

Method of Drilling:

ROTARY MUD

WELL CONSTRUCTION: 6" to 180'

Diameter of hole 4" inches Depth 360 feet

Casing: ☐ Steel ☒ Plastic ☐ Other
Specify 6" YELLOW MINE
4" SCH 40

Pipe Weight Diameter From To

220 lb/ft 6 inches 0 feet 180 feet

3440 lb/ft 4" inches 180 feet 360 feet

Was a well screen used? ☒ Yes ☐ No

If Not Specify

Screen Type 4" PVC Slot Size 1/64"

Length 80' Diameter 4"

Was Casing left open end? ☒ Yes ☐ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material? PUAREN

Was well gravel packed? ☐ Yes ☒ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure PUMPED 35

80% MIX DOWN INSIDE & UP OUTSIDE

To what depth? 180 Feet

What was grouting material? TYPE II

If cement, how many sacks? 35

Location of packer(s) and screen or perforated pipe 20 ft SCREEN 300-220 PACKER

280 SCREEN 300-360

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No

If so how and with what material?

Well Owner:

Name BILLY HOLLERBECK

Address BEVLY RT BOX 38 EDGE MOUNT S.D

Well Log: Depth 57735

Formation	From	To
<u>SHALE</u>	<u>0</u>	<u>80</u>
<u>FALL RIVER</u>	<u>80</u>	<u>220</u>
<u>FUSION</u>	<u>220</u>	<u>240</u>
<u>LAKOTA</u>	<u>240</u>	<u>360</u>

STATIC WATER LEVEL 0 Feet

If flowing: closed in pressure 6 LBS PSI

GPM flow 65 through 6" inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other

If other; specify

Can well be completely shut off? YES

WELL TEST DATA:

☐ Pumped

☐ Bailed

☐ Other

Describe:

Pumping Level Below Land Surface

ft. After Hrs. pumped

ft. After Hrs. pumped

ft. After Hrs. pumped

Remarks: THIS IS OFFSET TO OLD
WELL THAT WAS LEAKING CEMENTED
WELL SHUT. PUMPED 13 BAYS IN
AT 180 FT.

This well was drilled under license # 415

and this report is true and accurate.

Drilling Firm DARY DRILLING

Signed by DAVID P. RAY

Date Oct 18, 1984

the sent
12-6-84

PROBLYN'S FINAL REPORT

OFFICE OF STATE ENGINEER
Pierre, South Dakota

Well No.
(do not fill in)

FALL RIVER COUNTY

Location: SW NE¹ Section 3 Twp. 7S Range 2E

Owner Robert G. Robinson Address Hot Springs, S. Dak.

Depth 247 Drawdown Type Rig Used cable tool

Flow(gpm)pumpedPressure Date Measured

Grd. Elev. Water Level Below Ground Surface

Temperature Character Water (soft, medium, hard)

Date Commenced _____ Date Completed 11/14/49

Section

CASING DETAIL

<u>Type</u>	<u>Size</u>	<u>Length</u>	<u>Depth</u>
	6 5/8	187	187

(60' of open hole)

PERFORATIONS

<u>Type</u>	<u>Size</u>	<u>Length</u>	<u>Depth</u>
-------------	-------------	---------------	--------------

SCREEN

<u>Type</u>	<u>Size</u>	<u>Length</u>	<u>Depth</u>
-------------	-------------	---------------	--------------

Is there a seal between different size pipes? What kind?

WATER BEARING SANDS

From _____ To _____

SOURCE OF INFORMATION

PMA office, Fall River Co.

DRILLER'S LOG

From	To
------	----

~~Richard~~ Driller Richard Lawrence
(Signature)

Address Hot Springs, S. Dak.

ARTESIAN WELL REPAIR

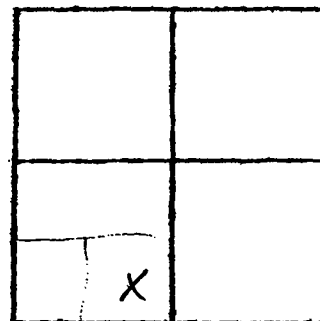
OFFICE OF STATE ENGINEER
PIERRE, S. DAK.

OFFICE OF STATE ENGINEER
Pierre, South Dakota

Well No. 24-6R
(do not fill in)

Fall River COUNTY

Location SE 1/4 Section 23 Twp. 7S Range 1E
Owner J. E. Stewart Address Dickinson, N. Dak
Depth 240 Drawdown _____ Type Rig Used Repair
Flow (gpm) 2 1/2 Pressure Strong Date Measured June 10, 1951
Grd. Elev. _____ Water Level Below Ground Surface _____
Temperature _____ Character Water (soft, medium, hard)
Date Commenced June 6 Date Completed June 10
Bonded Driller H. P. Norbeck Address Redfield, S. D



CASING DETAIL (old)

RECORD OF WELL AFTER REPAIR

Type	Size	Length	Depth
<u>Blk Std</u>	<u>2"</u>	<u>240'</u>	<u>240'</u>

Depth 237 Date Completed June 10, 1951
Flow (gpm) 2 1/2 Date Measured June 10, 1951
Water Level Below Ground Surface _____

CASING DETAIL (new)

Type	Size	Length	Depth
<u>Std Casing</u>	<u>3"</u>	<u>31'</u>	<u>37'</u>

driven over old 2" with 600# hammer

Perforations of WATER BEARING SANDS
From 160' To 165'

222' 227'

1" Copper tube 1 1/2" 231' 237'

PERFORATIONS

Type	Size	Length	Depth
<u>Drilled</u>	<u>1/4"</u>	<u>158' to 168'</u>	<u>220'</u> <u>230'</u>

SOURCE OF INFORMATION

Norbeck Co. Report

Repaired by: H. P. Norbeck

Address Redfield

Did you reach bottom on this well? No

If not, how far down did you get? 237'

What do you think caused this well to fail?
2" corroded out permitting water to come up out side

Do you believe the repair was successful? Very
Well flowed only 2 G.P.M.
when drilled - this is a Dakota
Sandstone well about 2 mi from outc.

DRAYLER'S FINAL REPORT

OFFICE OF STATE ENGINEER
Pierre, South Dakota

Well No. _____
(do not fill in)

CUSTER COUNTY

Location: SW NW¹ Section 33 Twp. 6S Range 1E

Owner George Putnam Address Burdock, S. Dak.

Depth 494 Drawdown _____ Type Rig Used cable tool

Flow(gpm) Pressure Date Measured

Grd. Elev. Water Level Below Ground Surface

Temperature _____ Character Water (soft, medium, hard) _____

Date Commenced _____ Date Completed 11/12/49

x	

Section

CASING DETAIL

<u>Type</u>	<u>Size</u>	<u>Length</u>	<u>Depth</u>
	4"	497	494

PERFORATIONS

Type	Size	Length	Depth
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SCREEN

<u>Type</u>	<u>Size</u>	<u>Length</u>	<u>Depth</u>
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Is there a seal between different size pipes? What kind?

WATER BEARING SANDS

From _____ To _____

SOURCE OF INFORMATION

PMA office, Fall River Co

DRILLER'S LOG

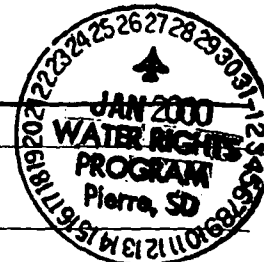
[illegible]

~~Banded Driller~~ Roy Boner
(Signature)
Hot Springs, S. Dak.
Address

07-92

1 Mile

Date: 1-21-00



949-78

10-31-78

SMITH & ASSOC. CORNELL #1

(NENE) (SEC 27) T₆₅ 1 R.

0-2 SURFACE. (65 1 R)

2-26 Red silty shale streaks of bry.

26 SURFACE pipe SET at 72 FT. DOWN

5 FT. CEMENTED WITH 18 BAGG ROP. CEMENT.

PUT FROM SURFACE 2-26 15 FT. CEMENT IN

PIPE

76-95 Red silty shale streaks of bry

95-102 White & pink bry.

107-151 Red silty shale

151-198 White & gray bry.

198-255 Red silty shale streaks of bry.

255-285 hard gray limy bry. streaks of

~~285-386~~ Red silty shale

286-386 Red silty shale

386-422 pink & light lavender limestone

422-429 Red & lavender limy shale

429-458 Red silty shale

458-482 White bry. streaks of red silty shale

482-508 Red silty shale

508-517 White bry. streaks of pink limestone

517-520 Red silty shale test core 520

520-539 Red sandy shale

539-541 Pink limestone

541-570 White & pink sand

570-592 Ant. hydrate white

592-621 Pink & lavender limestone

621-638 Pink sandstone

638-667 Buff limestone & pink sand

667-723 Gray limestone

723-727 Gray shale & ant. hydrate

727-747 Gray dolomite & blue shale

747-784 Gray & pink dolomite

CASSID. WITH 640 FT. 4 1/2 IN. BLACK PIPE

CEMENTED 840 FT. CEMENT. 5 SHOWS