

STATE OF SOUTH DAKOTA
Archie Gubbrud, Governor

STATE GEOLOGICAL SURVEY
Duncan J. McGregor, State Geologist

CIRCULAR NO. 32

LIST OF WIDCO LOGS RUN BY STATE GEOLOGICAL SURVEY
before March 1, 1964

Compiled
by
Lynn S. Hedges

SCIENCE CENTER
UNIVERSITY OF SOUTH DAKOTA
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Explanation

This circular is published for the purpose of making available to the public a list of Widco logs run by the State Geological Survey before March 1, 1964. The data map (fig. 1) shows the general location of logs and the type of log available.

An attempt is made by the South Dakota Geological Survey to obtain a log of every test hole drilled by the State Geological Survey and other State and Federal agencies. In addition, logs of test holes or wells drilled by commercial drillers are obtained when requested.

A total of 410 logs has been made in 308 holes since the logging machine was purchased in 1952. One hundred seventeen gamma ray logs and 294 electrical logs have been made in the 308 holes. A total of 74 logs has been made in 53 holes west of the Missouri River, and 329 logs in 255 holes east of the river. No holes were logged in Campbell and Walworth Counties, east of the river, nor in Dewey, Fall River, Harding, Washabaugh, and Ziebach Counties, west of the river.

Original copies of all logs listed in this circular are available at the South Dakota Geological Survey office in Vermillion ^{1/}. Reproductions of the original logs on microfilm may be obtained from the Dakota Microfilm Service, Inc., 501 North Dale Street, St. Paul 3, Minnesota, by requesting a release from the South Dakota Geological Survey.

List of Abbreviations

Alt.	Altimeter
App.	Approximate
Bar.	Barometer
B.M.	Bench mark
E	Electric log
Elev.	Elevation
GR	Gamma ray log
Inst.	Instrument (plane table or level)
Obs.	Observation
RR	Railroad (elevation at station)
Rge.	Range
S.D.G.S.	South Dakota Geological Survey
S.D.H.C.	South Dakota Highway Commission
S.D.S.C.	South Dakota State College
Sec.	Section
T.D.	Total depth
Topo.	Topographic (elevation by topographic map)
Twp.	Township
U.S.G.S.	United States Geological Survey

(±) following an elevation gives degree of accuracy of elevation determination

* denotes oil tests for which Widco logs are available

^{1/} Except four logs not made by the South Dakota Geological Survey

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
<u>Aurora County</u>						
White Lake City well	SW 11-103N-66W	1644	870	857	E, GR	quartzite
Dockendorf, V.	SE NE 20-101N- 66W	1570 topo	960	951	E	Graneros
Jones, B.	25-104N-65W	1548	none	480	E	?(poor log)
Knigge	24-105N-66W	1614	none	955	E	Dakota Group
SDGS-USGS Patten School test hole	SE SE 16-105N- 66W	1890 topo	650	160	E	Niobrara
SDGS-USGS Underwood Church test hole	NW NW 26-105N- 66W	1705 topo	550	125	E	Niobrara
<u>Beadle County</u>						
Walter, M.	31-113N-59W	1375± 25 topo	1000	1000	E	Dakota Group
Zybell, C.	NE 12-113N-65W	1362	1122	920	E	Dakota Group
Glazner, J.	SE 3-112N-59W	1393	903	903	E	Dakota Group
Puffer, W.	NE SE 27-113N- 63W	1350±	1097	1020	E	Dakota Group
Meyer, F.	NE NW 22-109N- 63W	1344	none	1044	E	Dakota Group
State Fair Grounds	NW 1-110N-62W	1285± 5 topo	none	195	E	glacial?
Tschetter	SW SE 32-113N- 62W	1316	910	910	E	Dakota Group
Irrigation test hole (Beadle County continued on next page)	3-111N-61W	1298± 10 topo	none	140	E	glacial

Name of Well	Location (sec-twp-rqe)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Beadle County-	continued					
Corcoran, C.E.	NW 29-112N-62W	1300	840	840	E	Dakota Group
Virgil City well	32-110N-63W	1343	none	1120	E	Dakota Group
Waldner, J.	NE 27-113N-59W	1413	1008	1008	E	Dakota Group
Eichstadt	NE 22-110N-64W	1390± 10 topo	none	1419	E, GR	Sundance?
Beadle Co. test hole #3	NW NW 6-109N- 64W	1410 topo	125	108	E	Pierre
Beadle Co. test hole #2	SW SW 31-109N- 63W	1373 topo	150	138	E	Pierre
<u>Bennett County</u>						
Martin City Park	W $\frac{1}{2}$ SW 17-37N- 37W	3300± 50 topo	500	500	E, GR	Tertiary
Pich irriga- tion test well	SE SW 22-37N- 39W	3280± 50 topo	420	409	E	Tertiary
SDGS #1 Patricia test hole	SE SE 3-38N- 36W	2975± 50	1050	1044	E, GR	Tertiary
<u>Bon Homme County</u>						
*Bon Oil #1 Isaak-Byrne ^{1/}	SW SW 8-93N- 59W	1372	876	880	E	Precambrian
*Bon Oil #1 Jelsma	SE SE 10-93N- 60W	1325	943	910	E	Precambrian
Scotland test hole	SE 3-96N-58W	1225 topo	82	77	E	Carlile
Tyndall City well	NW NW 6-94N- 59W	1425 topo	805	805	E, GR	Dakota Group
Vilhauer, E.	NW 5-94N-60W	1413 alt.	262	262	E	Codell
(Bon Homme County continued on next page)						

^{1/} Logged by Schlumberger

Name of Well	Location (sec-twp-rqge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Bon Homme County--continued						
Schultz	SW 27-93N-60W	1341 inst.	209	209	E	Niobrara
Uken, J.L.	26-93N-60W	1295 inst.	155	155	E	Codell
Wilken	NW 5-95N-61W	1675± 25 topo	663	608	GR	Graneros?
Tabor City well	23-94N-58W	1375± 25 topo	120	117	GR	glacial
Lehr, V.	S $\frac{1}{2}$ SE $\frac{1}{4}$ 13- 96N-58W	1300	565	560	E	Graneros?
<u>Brookings County</u>						
Kleinjan, R.	25-111N-52W	1690 topo	1260	1052	E, GR	Precambrian
Sinai City well	14-109N-52W	1770 topo	714	714	E, GR	Codell?
<u>Brown County</u>						
Barens, R.	SE SE 6-125N- 60W	1300 topo	988	988	E, GR	Dakota Group
Hecla City well	22-128N-61W	1305 topo	94	94	E	glacial
Sperry, A.	20-123N-62W	1300	1213	600	E	Precambrian
Dittus, W.	SE 28-121N-61W	1292 topo	1009	1009	E	Dakota Group
Neuman, E.C.	SW SW 7-123N- 60W	1303 inst.	974	972	E	Dakota Group
Claremont rotary test hole #5	NE NW 14-125N- 60W	1303	183	183	E	Niobrara
Claremont rotary test hole #4	NE SE 4-125N- 60W	1317	140	140	E	Pierre
(Brown County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Brown County--continued						
Claremont test hole #2	SE NE 1-125N- 60W	1303	145	145	E	Pierre
Claremont test hole #1	NW 2-125N-60W	1300	141	141	E	Pierre
*Oil Hunters #1 Raetzman	NE NE 33-125N- 65W	1425± 25	1522	1522	E	Red River?
Aberdeen test hole #3	NE NE 7-123N- 63W	1300 topo	115	115	E	Pierre
Aberdeen test hole #2	SW SW 17-124N- 63W	1315 topo	207	208	E	Pierre?
Aberdeen test hole #1	SW SW 27-124N- 64W	1350± 25 topo	135	135	E	Pierre
<u>Brule County</u>						
*Wagner #1 Glaus	NE NE 28-104N- 71W	1716	1434	1423	E, GR	quartzite
Kimball City well	SW NE 3-103N- 68W	1775± 25 topo	1054	1054	E log in casing	
Gould	SE 20-105N-67W	1699	945	945	E	Dakota Group
Pearson, G.	NW 1-101N-71W	1500 topo	773	773	E	Graneros
Eckstrum, C.	SE 3-102N-68W	1685 alt.	940	818	E	Graneros
Olson, F.	SE SW 8-102N- 67W	1637	865	770	E	Dakota Group
<u>Buffalo County</u>						
Thompson, B.	SW 3-108N-72W	1747	1295	1280	E	Dakota Group?
Truman	33-108N-72W	1450± 50 topo	1075	700	E	Graneros
(Buffalo County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Buffalo County--continued						
Stensbal, J.	SE 15-107N-69W	1776 inst.	1205	640	E	Niobrara
Knippling	NE 36-108N-72W	1633		1150	E	Dakota Group
Gann Valley School	33-107N-68W	1754 inst.		1132	E	Dakota Group
<u>Butte County</u>						
Newell City well	NW NE 32-9N- 6E	2810± 10 topo	2592	2592	E	Fuson
<u>Charles Mix County</u>						
Codell Obs. Well #918	NE cor 11-95N- 64W	1504	372	372	E	Codell
Codell Obs. Well #917	SW cor 16-96N- 65W	1480	386	339	E	Codell
Codell Obs. Well #916	SW cor 28-96N- 66W	1442		373	E	Carlile
Codell Obs. Well #915	NE NE 25-97N- 67W	1449	332	332	E	Codell
Kocer, F.	NE SE 23-94N- 64W	1368	641	455	E	?
Winkler, H.	9-96N-62W	1575± 30 topo	817	560	E	Carlile
New Geddes City well	6-97N-66W	1500 topo	426	426	E	Carlile?
Wagner City well	4?-95N-63W	1425± 25 topo		334	E	Codell
Wagner City Park well	Center SW 33- 96N-63W	1425± 25 topo	818	818	E	Dakota Group
Platte City test well	13-99N-68W	1611 sight on BM	948	943	E	Dakota Group
(Charles Mix County continued on next page)						

Name of Well	Location (sec-two-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Charles Mix County--continued						
Green, B.	NW 23-99N-68W	1583 alt.	847	847	E	Dakota Group
Radar Site #2	SW SE 31-96N- 64W	1854 topo	691	691	E, GR	Carlile?
Holec, E.	SE 23-96N-62W	1675± 25 topo	622	610	E, GR	Carlile?
*Charles Mix Dev. #1 Mach	SE NE 22-94N- 64W	1466	1001	1001	E, GR	Fall River
<u>Clark County</u>						
Johnson, L.	NE 6-116N-59W	1441	1059	878	E	Graneros
<u>Clay County</u>						
Vermillion Golf Course	SE $\frac{1}{4}$ 12-92N-52W	1225± 10 topo	77	77	E, GR	glacial
Vermillion City	24-92N-52W	1225± 10 topo	126	126	E	Codell
Irene test hole, City Park	6-95N-53W	1450 Bar	270	270	E	Carlile
University well (campus)	NW SW 13-92N- 52W	1235± 10 topo	400	400	E log in casing	Graneros?
SUSD test hole	SW NE 13-92N- 52W	1233± 5 BM	275	270	E, GR	Greenhorn
Van Cleave	NW 1-92N-52W	1160± 20 topo	103	99	E	glacial
SDSC Exp. Farm	NW SW 17-95N- 51W	1280 topo	77	77	E	Niobrara
<u>Codington County</u>						
Henry City well (Codington County continued on next page)	5-116N-55W			780	E	glacial

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Codington County--continued						
Watertown Substation	SW NW 2-116N- 52W	1813		1300	E	Precambrian
SDGS-USGS Coteau #2 test hole	NE 6-116N-55W	1835	800	770	E, GR	Niobrara
Kruse, L.	SE NE 18-119N- 51W	2010	590	464	E, GR	glacial?
Jellis, J.	Center 19- 118N-51W	1725± 25 topo	510	508	E, GR	glacial
<u>Corson County</u>						
Blair, S.	NW 33-20N-26E	1800	2386	1985	E	Graneros
<u>Custer County</u>						
Buffalo Gap City well	SW 29-6S-7E	3305 topo	1385	1316	E	Dakota Group
<u>Davison County</u>						
Ethan City well	14-101N-60W	1345 topo	320	320	E, GR	quartzite
Mt. Vernon City well	22-103N-62W			180	E	glacial
Wingett, B.	32-103N-60W	1330 topo	277	277	E, GR	quartzite at 134 feet
Bowar, W.	SE 32-101N-60W	1400± 20 topo	380	380	E	Greenhorn
<u>Day County</u>						
Torguson, H.	SE 15-124N-59W	1340 topo		1163	E	Dakota Group?
Sanderson, E.	SE 19-120N-59W	1461 alt.	1174	1170	E	Dakota Group?
*Oil Ventures #1 Naessig	NE SE 32-121N- 55W	1838	1602	1600	E	Precambrian?

Name of Well	Location (sec-two-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
<u>Deuel County</u>						
SDGS-USGS Coteau #3 test hole	SW 36-113N-48W	1835 topo	1100	1096	E, GR	Precambrian
<u>Douglas County</u>						
Konzemias, T.	NE NE 22-98N- 64W	1525± 25 topo	340	337	E, GR	Codell
Corsica City well	NW 3-99N-64W	1550	333	332	E	Codell
Vans Service Station	SE SE 15-99N- 63W	1500± 25 topo	325	325	GR	Codell?
Scholten, G.	SE SE 6-98N- 63W	1525± 25 topo	356	356	E	Codell
*Douglas #1 Clark	SW NW 5-98N- 64W	1600± 10	1315	1315	E	quartzite
<u>Edmunds County</u>						
Roscoe City well	SW SW 19-123N- 71W	1820± 25 topo	400	288	E	?
Bowdle City well	NE NW 28-123N- 73W	1995± 25 topo	220	220	E, GR	glacial
Roscoe City well	19-123N-71W	1820± 25 topo	1450	1450	E, GR	?
<u>Faulk County</u>						
Wilkins, R.	NE 13-120N-67W	1400	1167	1152	E	Dakota Group
Lange, U.	SE 1-119N-69W	1535 topo	1165	1162	E, GR	Dakota Group
Faulkton City test hole	SW NW 13-118N- 69W	1564 topo	180	176	E	Pierre
Faulkton City test hole	SE SE 7-118N- 69W	1650 topo	240	239	E	Pierre
Faulkton City test hole	NW NE 16-118N- 69W	1610 topo	280	272	E	Pierre

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
<u>Grant County</u>						
Dockter, E.	NE 8-120N-49W	1190 topo	530	526	E	Dakota Group
<u>Gregory County</u>						
Weller	SE 29-95N-68W	1926 alt.		1252	E	Dakota Group
Burke City test hole	SE SW 30-97N- 71W	2164 inst.	200	198	E	Pierre
Burke City test hole	NE NE 36-97N- 72W	2213 inst.	180	178	E	Tertiary
Burke City test hole	SW NW 31-97N- 71W	2211 inst.	220	218	E	Pierre
Burke City test hole	NE SE 25-97N- 72W	2170 inst.	200	186	E	Tertiary
Burke City test hole	SE NW 31-97N- 71W	2214 inst.	220	220	E	Pierre
<u>Haakon County</u>						
Pfeifer, L.	NW 24-1N-20E	2155 topo	2562	2562	E	Fall River
Foley, C.	SW NW 28-5N- 18E	2350	2937	2937	E, GR	Fall River
Ferguson, T.	NW NE 11-5N- 21E	2120 alt.	2600	2600	E, GR	Morrison?
Jettors Bros.	N $\frac{1}{2}$ 24-7N-21E	2200 alt.	2763	2750	E, GR	Morrison?
Buckholz, D.	SE 28-7N-22E	2200 \pm 20	2655	2535	E	Skull Creek
<u>Hamlin County</u>						
Fuhr	20?-113N-55W		1320	590	E	Pierre
Bryant City RR well	17-113N-55W		1327	1220	E log in casing	Dakota Group?
(Hamlin County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Hamlin County--continued						
Bryant City well	17-113N-55W	1845		1359	E	Dakota Group
<u>Hand County</u>						
Sheldon-Reese Co.	SE NE 29-110N- 68W	1970	1532	1420	E	Dakota Group
SDGS-USGS Stebbins School test hole	NE SE 27-109N- 68W	1901 alt.	1477	1475	E, GR	Dakota Group?
Sunshine Bible Academy well	NE SE 15-110N- 68W	1900± 5 topo		240	E	Niobrara
Palmer, R.	NE NE 35-110N- 66W	1664	1250	1080	E	Dakota Group
Olson, L.	SE 33-112N-68W	1683	1294	1290	E	Dakota Group
Snodgrass, H.	SE 32-113N-66W	1444		1260	E	Dakota Group
Mehling, R.	SE NE 27-111N- 66W	1495 topo	1291	1222	E, GR	Dakota Group
Lichty, F.	SW 9-111N-66W	1505 topo	1170	1170	E	Dakota Group
Step toe Sisters	E $\frac{1}{2}$ 19-114N-69W	1613	1373	1214	E	Dakota Group
Shaffer, D.	SW 11-114N-69W	1582 topo	1547	1549	E, GR	Fall River
Waring, R.	SE NW 31-110N- 69W	1850± topo	?	1808	E, GR	Morrison
Harvey, R.	SE NW 4-109N- 70W	1875± 25 topo	1945	1944	E, GR	Precambrian
Ree Heights City well (Hand County continued on next page)	NW 13-112N-70W	1750 topo	1414	1410	E, GR	Dakota Group

Name of Well	Location (sec-twp-rqe)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Hand County--continued						
Miller City test hole	NE NE 11-112N- 68W	1562 inst.		217	E	Pierre
Miller City test hole	NW NW 1-112N- 68W	1524 inst.	210	210	E	glacial
Moncur, R.	SE 15-114N-68W	1510 topo	1355	1355	E	Dakota Group
Waring, M.	NE 13-109N-69W	1800± 50 topo	1575	1573	E, GR	Dakota Group
<u>Hanson County</u>						
Alexandria City well	10-102N-58W	1354 (RR)	170	170	E	Precambrian about 148'
Dennis, R.	NW 18-104N-57W	1360± 10 topo	548	544	E	Precambrian at 538'
Endorf	SW 27-104N-57W	1375 topo	446	446	E, GR	Dakota Group
<u>Hughes County</u>						
Mehrer	15-111N-74W	1940 topo	1620	1620	E, GR	Dakota Group
State Capitol well	SW 33-111N-79W	1480 topo	1228	1225	E, GR	Dakota Group?
<u>Hutchinson County</u>						
Hieb, H.	NE 11-97N-61W	1600± 25	640	640	E, GR	Greenhorn
Kost, E.	7-98N-58W	1325± 5 topo	400	400	E, GR	Precambrian at 393'
Long, W.	SW 1-98N-59W	1315 topo	434	434	E	quartzite wash
Mendel, S.	SE SE 9-99N- 56W	1458 topo	355	355	E	Precambrian at 324'
(Hutchinson County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Hutchinson County--continued						
Menno City well	NE 9-97N-57W	1325± 5 topo	529	529	E, GR	quartzite
Mettler, H.	SE 16-98N-57W	1350± 5 topo	250	136	E	glacial
Parkston City well	NW NE 18-99N-60W	1385± 10 topo	239	239	E, GR	Codell?
Peitz, L.	NW SE 29-99N-59W	1280± 10 topo	371	371	E, GR	quartzite
Winter, E.	35-99N-61W	1450 topo		208	E	glacial?
Maas, E.	NE 4-97N-56W	1540± 10 topo	478	460	E, GR	Dakota Group
<u>Hyde County</u>						
Meek, F.	SW 10-111N-73W	1950 inst.	1855	1855	E, GR	Dakota Group
<u>Jackson County</u>						
Young, H.	SW NW 19-1S-22E	2230	2705	2705	E, GR	Fall River
Kadoka City well <u>1/</u>	32-2S-22E	2451	2965	2965	E, GR	Skull Creek
Addison, C.	SW SW 25-1S-24E	2050 topo	2400	2394	E	Fall River
<u>Jerauld County</u>						
Alpena City well	SW NE 11-108N-63W	1322	986	613	E	Graneros
SDGS-USGS Schubert School test hole	SE SE 9-107N-65W	1910± 25 topo	1700	1700	E, GR	Precambrian
(Jerauld County continued on next page)						

1/ Logged by Lane Wells logging company and Halliburton oil well cementing company

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Jerauld County--continued						
Neumeyer, M.	SE 3-108N-64W	1425± 25 topo	920	920	E	Dakota Group
<u>Jones County</u>						
Shay, B.	SW 14-2N-30E	1935 alt.	1955	1945	E, GR	Morrison
<u>Kingsbury County</u>						
Lake Preston (old well)	Center NE 1- 110N-55W	1718 topo	1173	1134	GR	Dakota Group
Arlington test hole	SW NE 1-110N- 53W	1838 alt.	618	618	E	glacial
Cadwell	SW 27-111N-58W	1480	984	984	E	Dakota Group
Erwin City well	21-112N-55W	1874		1346	E	Dakota Group
Oldham City well	21-109N-54W	1719 inst.		1300	E	Dakota Group
Tonsager, J.	SE SE 15-109N- 54W	1745 topo	1040	1040	E	Precambrian
Lake Preston test #1	NW NW 18-110N- 54W	1725± 25	340	335	E	Pierre
Lake Preston test #2	SW SE 36-111N- 55W	1725± 25	372	370	E	Pierre
Lake Preston test #3	SW SW 1-110N- 55W	1725± 25	358	360	E	glacial
Lake Preston test #4	SW SW 4-110N- 54W	1725± 25	310	306	E	Pierre
<u>Lake County</u>						
Nelson	11-108N-54W	1792		465	E	Dakota Group
<u>Lawrence County</u>						
Whitewood City well (Lawrence County continued on next page)	21-6N-4E	none	630	630	E, GR	Minnelusa

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Lawrence County--continued						
Spearfish City well	10?-6N-2E	3700±	578	578	E, GR	Madison
Sankey, M.	NW SE 15-7N-2E	3370±	1280	1280	GR	Minnelusa
Redwater Obs. Well #1	NE NW 10-7N-2E	1305± 5 topo	1306½	1306	E, GR	Opeche
Papousek, G. #1	SW SW 20-7N-1E	3530 topo	870	870	E, GR	Minnelusa
Papousek, G. #2	SW NW 19-7N-1E	3440 topo	825	825	GR	Minnelusa
<u>Lincoln County</u>						
*Osmanson #1-Peterson	SW NW 18-98N-49W	1360± 10	710	700	E	quartzite
Johnson, H.	NE 17-96N-50W	1450 topo	768	768	E	Dakota Group
Tuntland, E.	NW 23-98N-50W		643	639	E	quartzite?
Newton Hills State Park	NE SW 13-97N-49W	1500 topo	515	410	E	Greenhorn
Beresford City well (old)	SE 32-96N-50W	1500± 25 topo	720	719	GR	Cambrian?
Larson, L.	NW SW 26-99N-49W		355	350	E	Graneros
Loeman, P.	SW 14-100N-49W	1420± 5 topo	422	415	E	quartzite
Giebink, R.	SE 35-100N-51W	1470± 5 topo	435	430	E, GR	quartzite
Lakeside Dairy	NW SW 11-100N-50W	1520± 5 topo	220	205	E	quartzite
Harrisburg City well (Lincoln County continued on next page)	NE NW 1-99N-50W	1425± 5	540	528	GR	quartzite

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Lincoln County--continued						
Kittleson, B.	NE NW 35-97N-50W	1470± 10 topo	760	590	GR	Dakota Group
<u>Lyman County</u>						
Booth, L.	19-105N-79W	1890	2042	2042	E	Minnelusa
Williams, J.	SE 4-108N-78W	1800± 100	1785	1750	E	Dakota Group
Eldridge, F.	NE 21-108N-79W	2010± 25 topo	1840	1840	E	Dakota Group
Parkening, E.	SE NE 8-105N-73W	1802±	1240	1226	E	Dakota Group
<u>McCook County</u>						
Damond	35-102N-55W	1450 topo	220	205	E, GR	?
Salem City well	13-103N-55W	1525±		281	E, GR	quartzite at 146'
DeKramer, L.	SE NE 27-102N-54W	1540 topo	290	285	GR	Precambrian
<u>McPherson County</u>						
Eureka City well	35-127N-73W	1880 app.	2012	1354	E	Graneros
<u>Marshall County</u>						
SDGS-USGS Coteau #1 test hole	SE 22-125N-56W	1800 topo	1100	1098	E, GR	Greenhorn
Curr, H.	SE 19-126N-59W	1285 topo	927	927	E, GR	Precambrian
Rainbow Dance Hall	SE SE 35-127N-58W	1325	1047	1040	E, GR	Dakota Group
<u>Meade County</u>						
Konechne, D.	SW SW 10-2N-7E	3390 topo	826	824	GR	Minnelusa
McMahon, J.	C. S $\frac{1}{2}$ SW 7-2N-8E	3240 topo	1650	1630	GR	Dakota Group

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
<u>Mellette County</u>						
Krogman, B.	22-42N-28W		2380	2379	E	Dakota Group
Jensen, B.	NW SW 12-42N-30W	2010 topo	1940	1930	E	Dakota Group
Nelson, I.	SW 34-42N-25W	1830 topo	1567	1565	E	Dakota Group
Nelson, I.	SW 32-42N-25W	2050 topo	2690	2690	E	Minnelusa
<u>Miner County</u>						
*Rocky Ridge #1 Hale	NE NE 25-108N-57W	1547	1328	1320	E	quartzite
Chave, L.	NW 19-105N-58W	1308	365	365	E	quartzite at 365'
Howard City well	2-106N-56W	1569		402	E	quartzite at 402'
Howard City test hole	NE 3-106N-56W		520	520	E, GR	quartzite
Domestic well	SE 17-106N-57W			160	E	Niobrara
USGS-SDGS Sanborn test hole #19	SW SW 18-107N-58W	1337 inst.	155	92	E, GR	Pierre
USGS-SDGS Sanborn test hole #33	SW SW 31-106N-58W	1343 inst.	150	113	E, GR	Pierre
Howard City well	NW 2-106N-56W	1550 topo	695	689	E, GR	quartzite
<u>Minnehaha County</u>						
Butler, W.	NW SW 23-102N-49W	1460± 25	203½	200	E, GR	quartzite
Humboldt City well	16-102N-52W	1696		430	E	quartzite at 352'
(Minnehaha County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Minnehaha County--continued						
SDGS-SDHC Hartford #1 test hole	SW NE 11-102N- 51W	1600± 10 topo	116	112	E, GR	Sioux Quart- zite
Rogan, O.	10-104N-47W	1625±		681	E, GR	quartzite
Vander Scheaf, J.	NE 27-102N-49W	1460± 5	260	255	E, GR	quartzite
<u>Moody County</u>						
Colman City well	NE SE 15-106N- 50W	1695± 5 topo	636	636	E	Precambrian wash?
Sioux Valley Electric	14-106N-50W	1650 topo	650	650	E	Dakota Group
<u>Pennington County</u>						
Gabriel, E.	SW NW 25-5N- 16E	2150± 10	2660	2666	E, GR	Fall River
New Underwood #1 City well _{1/}	SE 31-2N-11E	2930	2698	2691	E	Dakota Group
Quinn City well	NW SE 6-1S- 16E	2627 app.	2690	2270	GR	Newcastle?
Quinn City well	NW SE 6-1S- 16E	2620	3030	2989	E, GR	Fall River
Heuthers, E.	SE 31-2S-16E	2590 topo	2717	2710	E, GR	Fall River
Rapid Valley Water Supply Company	NE NW 9-1N- 8E	3127 topo	1296	1296	E, GR	Skull Creek?
Pinnacle Peaks Entrance, Bad- lands Nat'l. Monument	SW 8-2S-16E	3077	3267	2800	E, GR	Mowry
Pool, H. Well #2	SE SE 27-1N- 7E	3810± topo	1300	1259	GR	Minnelusa

_{1/} Logged by Lane Wells logging company

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
<u>Perkins County</u>						
Bison City well (new)	12-18N-13E	2810± 25 topo	1464	1467	E, GR	Pierre
<u>Potter County</u>						
Gerrysburg City well (new)	25-118N-76W	2075± 25 topo	1951	1875	E	Dakota Group
Gerrysburg City well	25-118N-76W	2090	2310	2100	E	Dakota Group
<u>Roberts County</u>						
Sather, R.	NE 18-127N-50W	1150± 10 topo	753	753	E, GR	Precambrian
<u>Sanborn County</u>						
Grassell, J.	NE 21-108N-59W	1343 inst.	730	600	E	Precambrian
Loring, M.	SW SE 27-108N- 61W	1309 inst.	950	674	E	Dakota Group
Anderson, M.	SW 30-107N-62W	1352	175	146	E	glacial
Austerman, J.	SW SW 22-108N- 59W	1349 inst.	660	630	E	Dakota Group
State Game, Fish and Parks Dept.	SW NW 30-106N- 62W	1319 inst.	880	880	E	Dakota Group
Ruskin Park	12-106N-61W	1220 topo	110	110	E	glacial
USGS-SDGS Test Hole #1	NE SE 16-105N- 62W	1302 inst.	110	105	E, GR	Niobrara
USGS-SDGS Test Hole #2	SW SW 10-105N- 62W	1302 inst.	115	112	E, GR	Niobrara
USGS-SDGS Test Hole #3	NW SW 10-105N- 62W	1310 inst.	120	120	E, GR	Niobrara
(Sanborn County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Sanborn County--continued						
USGS-SDGS Test Hole #4	SW SW 3-105N- 62W	1300 inst.	120	120	E, GR	Niobrara
USGS-SDGS Test Hole #5	NW SW 3-105N- 62W	1296 inst.	107	107	E, GR	Niobrara
USGS-SDGS Test Hole #6	SE SE 33-106N- 62W	1291 inst.	112	112	E, GR	Niobrara
USGS-SDGS Test Hole #7	NE SE 33-106N- 62W	1288 inst.	108	110	E, GR	Niobrara
USGS-SDGS Test Hole #8	NE NE 33-106N- 62W	1288 inst.	122	122	E	Niobrara
USGS-SDGS Test Hole #9	NW SW 27-106N- 62W	1291 inst.	128	127	E, GR	Niobrara
USGS-SDGS Test Hole #10	NW SW 15-106N- 62W	1294 inst.	155	153	E, GR	Niobrara
USGS-SDGS Test Hole #11	NE NE 21-106N- 62W	1289 inst.	140	135	E	Niobrara
USGS-SDGS Test Hole #12	NE NE 16-106N- 62W	1304 inst.	145	140	E, GR	Niobrara
USGS-SDGS Test Hole #29	SW SW 9-108N- 59W	1319 inst.	109	92	E, GR	Niobrara
USGS-SDGS Test Hole #30	SE SE 10-108N- 59W	1351 inst.	129	80	E, GR	Niobrara
USGS-SDGS Test Hole #31	NE NE 12-108N- 59W	1363 inst.	59	59	E, GR	Pierre
USGS-SDGS Test Hole #32	SE SE 22-107N- 59W	1318 inst.	100	78	E, GR	Pierre
USGS-SDGS Test Hole #35	NE NE 33-105N- 60W	1304 topo	140	138	E, GR	Carlile
USGS-SDGS Test Hole #36	SW SE 19-107N- 61W	1289 inst.	100	96	E, GR	Niobrara

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
		<u>Shannon County</u>				
Slaby, F.	Center NE 29- 36N-41W	3450± 25 topo	324	324	E	Tertiary
		<u>Spink County</u>				
Conde City well	31-120N-60W	1310 topo	1050	988	E	Dakota Group
Conde City well	31-120N-60W	1310 topo	820	820	E log in casing	Dakota Group
Hofer, J.	NW NW 14-116N- 60W	1394 topo	1012	1012	E	Dakota Group
Tschetter, C.	NE 25-116N-61W	1420 topo	1058	1050	E	Dakota Group
Levsen, R.	SE 31-116N-60W	1350 topo	996	996	E	Dakota Group
Mereness, O.	NW NE 8-120N- 60W	1320 topo	1120	1120	E	Dakota Group
Morey, C.	NW SW 5-120N- 60W	1320 topo	1190	750	E	Graneros?
Northville City well	NE 6-119N-64W	1295± 5 topo		1100	E	Dakota Group
Ottenbacher, A.	NW 13-117N-61W	1319 alt & topo	1061	1061	E	Dakota Group
Wurz, D.	NW 34-116N-61W	1300	952	950	E	Dakota Group
Thomas, H.	NE 33-119N-61W	1300 topo	1024	1023	E	Dakota Group
Schmidt, E.	NE 26-115N-64W	1325	1085	1052	E	Precambrian
		<u>Stanley County</u>				
Sunshine, E.	NW 19-7N-26E	2170 topo	2440	2360	E	Sundance
	(Stanley County continued on next page)					

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Stanley County--continued						
Hannum, D.	N $\frac{1}{2}$ 28-4N-30E	1600 topo	1444	1442	E, GR	Dakota Group
<u>Sully County</u>						
Zebroski, R.S.	14-115N-80W	1950 \pm topo	2528	2525	E	Roundtop
Onida City well	SW SE 2-114N- 77W	1868 alt.	2111	2000	E	Morrison?
Onida City well	11-114N-77W	1868		1398	E log in casing	
Onida City well (1961)	11-114N-77W	1868	1639	1633	E, GR	Dakota Group
<u>Todd County</u>						
Mission City test holes (5)	32-39N-28W 5-38N-28W	2550- 2590 \pm 25 topo	255 max.	196 max.	E	Tertiary
<u>Tripp County</u>						
*Cahill #1 Nielson	SW SW 7-99N- 76W	1995	1411	1411	E, GR	Newcastle?
Smith, O.	Center E $\frac{1}{2}$ 6- 102N-78W	1680 \pm 10 topo	1305	1200	E	Graneros
Puttman, F.	SW NW 10-95N- 74W	2300 \pm 50 topo	1947	1862	E, GR	Dakota Group
<u>Turner County</u>						
Lee, H.	NW 22-98N-54W	1340 topo	610	608	E, GR	Graneros
Heirrig	SW 14-97N-55W	1650 topo	783	780	E	Precambrian
Kaufman, O.	7-97N-54W	1520 topo	676	500	E	?
Parker City (old) (Turner County continued on next page)	17?-99N-53W	1340 \pm 10 topo		261	E, GR	Precambrian

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Turner County--continued						
Viborg test hole	SE NE 26-97N-53W	1260± 10 topo	116	116	E, GR	glacial
Viborg test hole	SE 26-97N-53W	1288 app.	208	208	E, GR	glacial?
Viborg test well	SW 35-97N-53W	1305± 5 topo		715	E	quartzite
Weir	NW 8-97N-55W	1720 topo		602	E	Precambrian
Herlyn, L.	NE 18-100N-54W	1470 10 topo	205	203	E, GR	Precambrian
Sturzenbucher, G.	SE 28-99N-54W	1450± 10 topo	410	410	E	Dakota Group
Schrag, P.	NW SE 22-99N-55W	1490± 10 topo	303	299	E, GR	?
<u>Union County</u>						
*Wagner #1 Blanchard	NW NE 29-92N-49W	1170	846	846	E	Precambrian
*Wagner #1 Larson	NW SW 22-93N-50W	1207	587	584	E	Precambrian
North Sioux City test hole	SW 14-89N-48W	1100	230	227	E	Dakota Group
Beresford test hole #1	NW 5-95N-50W	1480± 10 topo	220	220	E, GR	Niobrara
SDGS #1 Hueb- ner test hole	NW SW 25-93N-50W	1260± 20 topo	796	775	E, GR	Precambrian
<u>Yankton County</u>						
*Rittershaus #1 Jamesville Colony	NE SW 29-96N-56W	1200 topo	1218	562	E	Precambrian at 738'
Johnson, M.	SW SE 10-95N-54W	1537 alt.	776	768	E	Precambrian
(Yankton County continued on next page)						

Name of Well	Location (sec-twp-rge)	Elev. (feet)	T.D. Driller	T.D. Log	Log Type	Bottom Hole Formation
Yankton County--continued						
Gavins Point	22-93N-56W	1293		542	E	Dakota Group
Utica City well	8-94N-56W	1362		760	E	Dakota Group
Yankton City well	14-93N-56W	1246 inst.	678	676	E	Dakota Group
Lesterville City well	SW SW 16-95N- 57W	1375 topo	85+	85	E	glacial
SDGS #1 Holz- bauer test hole	NE SE 12-93N- 55W	1165± 2 topo	765	762	E, GR	Precambrian
Lesterville City test	SW SE 16-95N- 57W	1389 inst.	230	230	E	Codell?
English Ski Jump	SW 13-93N-57W	1400± 5 topo	720	720	E	Huntsman