

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SELECTED DRILL-STEM-TEST DATA FROM THE
NORTHERN GREAT PLAINS AREA OF MONTANA

by Gary W. Levings

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METRIC CONVERSION TABLE

The following factors can be used to convert inch-pound units in this report to the International System (SI) of metric units.

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain SI unit</u>
acre	0.4047	square hectometer
cubic foot per minute	0.02832	cubic meter per minute
foot	0.3048	meter
foot squared per day	0.0929	meter squared per day
pound per square inch	6.895	kilopascal

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ABSTRACT

Selected drill-stem-test data were collected for use in the hydrologic analysis of aquifers in the northern Great Plains area of Montana. To supplement existing data defining the potentiometric surface of various aquifers, shut-in pressures recorded during drill-stem tests of oil and gas test wells were used to calculate the altitude of the potentiometric surface. The transmissivity of the aquifers also was calculated if sufficient data existed.

Records for 627 drill-stem tests from 523 wells are tabulated in this report. Data include well location, well name, formation tested, well depth, tested interval, date tested, test number, flow period, transmissivity, shut-in pressure, and altitude of water surface. Locations of the wells are shown on a map at a scale of 1:1,000,000.

INTRODUCTION

The increasing demand for water resulting from the continued development of energy resources, power generation, industry, irrigation, and domestic and municipal water supplies in the northern Great Plains area of Montana will require that additional ground-water supplies be used at some time in the future. In 1978 the U.S. Geological Survey began a 4-year study of aquifers of Cenozoic and Mesozoic age in the northern Great Plains to define the hydrologic system, to determine the availability and quality of ground water, and to predict the effects of various water-use management plans on the entire system. Many of these aquifers are not used as a source of water except in areas where drilling depths and pumping levels are economically feasible. As a result, shut-in pressures from drill-stem tests on oil or gas test wells were used to calculate the altitude of the potentiometric surface and, where possible, the transmissivity for the individual aquifers. The purpose of this report is to summarize the data from selected drill-stem tests that were used in the hydrologic analysis of the aquifers in the northern Great Plains area of Montana. The study area for this report is generally the area of Montana east of the Rocky Mountains (see report cover).

WELL-NUMBERING SYSTEM

In this report, locations are numbered according to geographic position within the rectangular grid system used by the U.S. Bureau of Land Management (fig. 1). The location consists of as many as 12 characters. The first three characters specify the township and its position north (N) or south (S) of the Montana Base Line. The next three characters specify the range and its position west (W) or east (E) of the Montana Principal Meridian. The next two characters are the section number. The next one to four characters designate the quarter section (160-acre tract), quarter-quarter section (40-acre tract), quarter-quarter-quarter section (10-acre tract), and quarter-quarter-quarter-quarter section (2 1/2-acre tract), respectively, in which the well is located. The subdivisions of the section are designated A, B, C, and D in a counter-clockwise direction, beginning in the northeast quadrant. For example, as shown on figure 1, well 36N07E27ABBD is located in the SE1/4 NW1/4 NW1/4 NE1/4 sec. 27, T. 36 N., R. 7 E.

The locations of analyzed wells (pl. 1) were mapped by computer using the rectangular grid system to generate latitude and longitude numbers. The program, developed by the Montana Department of Community Affairs, contains a set of latitude and longitude numbers for the four extreme corners of each township. When a rectangular grid number is input, the program retrieves the four corners of that township and creates a regular 36-section township within those corners. Latitude and longitude numbers are then calculated for the center of the smallest subdivision of the section described. Small map discrepancies may exist where irregularly surveyed townships or sections have been represented as regular by the computer.

DRILL-STEM-TEST ANALYSIS

Drill-stem tests can be used to determine the fluid pressure and transmissivity of a selected stratigraphic interval by use of packers, valves, pressure-recording devices, and perforated pipe attached to the string of drill pipe. Data for 627 drill-stem tests from 523 wells in the northern Great Plains area of Montana are given in table 1, and the corresponding locations are shown on plate 1.

The fluid pressure is used to determine the altitude of the ground-water surface by the following equation, which is modified from Murphy (1965, p. 15):

$$h = (FSIP \times C) - PRD + LSD \quad (1)$$

where

h = altitude of freshwater surface, in feet above sea level;
 $FSIP$ = final bottom-hole shut-in pressure from drill-stem test, in pounds per square inch;
 C = a constant (2.307) which converts pounds per square inch to feet of freshwater;
 PRD = depth of pressure recording device, in feet below the measuring point;
and LSD = altitude of measuring point, in feet above sea level.

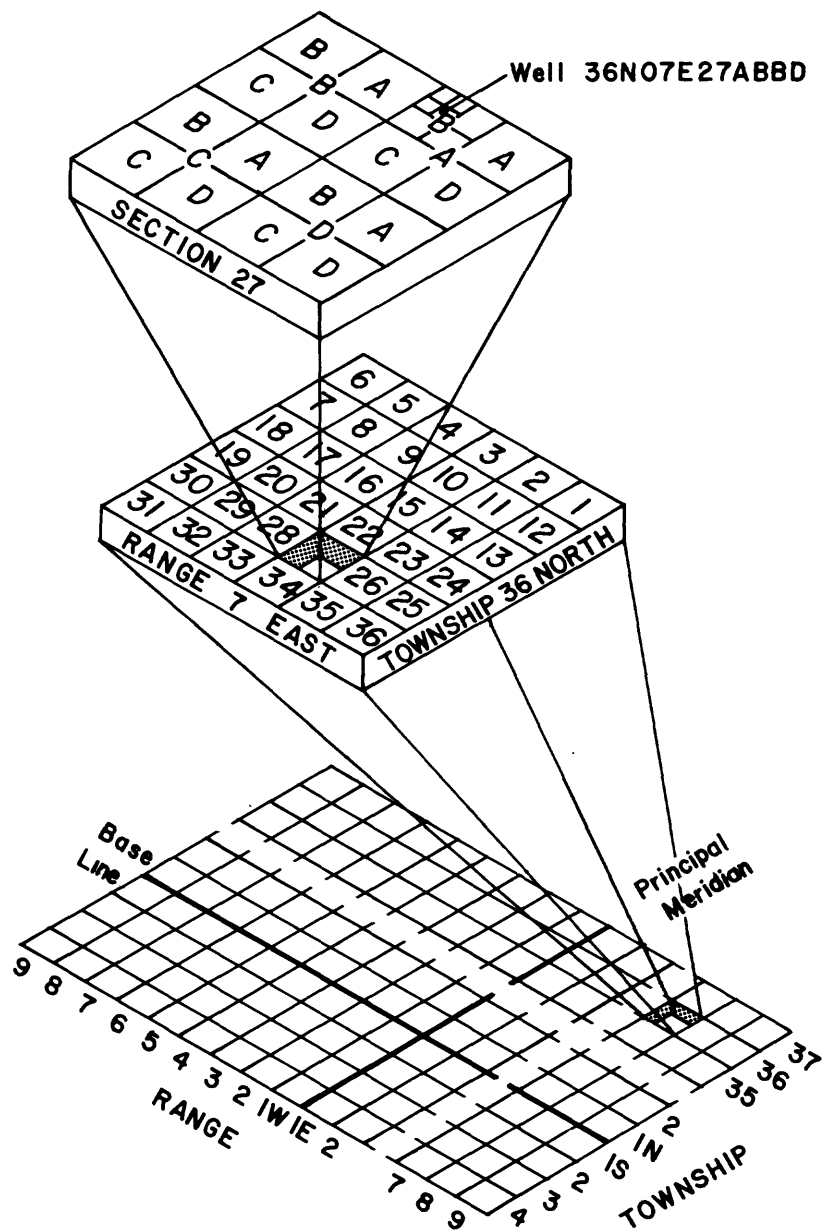


Figure 1.--Well-numbering system.

The values for altitude of water surface in table 1 are rounded to the nearest 10 feet.

The pressure given in table 1 is coded E, C, or R according to the manner in which it was determined. A pressure coded by E indicates that the drill-stem-test report contained an analysis of time versus pressure taken from the curve recorded by the pressure-recording device. These values were used to extrapolate the pressure curve to the point that represents the undisturbed formation pressure. A pressure coded by C indicates that the pressure obtained during the drill-stem test is interpreted to represent the undisturbed formation pressure because the pressure stabilized during the test. A pressure coded by R indicates that the data did not contain an analysis of time versus pressure or a curve from which to determine the breakdown. As a result, the reported final shut-in pressure was used to calculate the altitude of the potentiometric surface. The pressure value may or may not represent the undisturbed formation pressure. If it does not represent the undisturbed formation pressure, the calculated altitude of the potentiometric surface is low.

If sufficient data exist on the drill-stem-test report, the transmissivity of the tested interval can be calculated using the following equation modified from Miller (1976, p. 16):

$$T = 114 \frac{qa}{\Delta p} \quad (2)$$

where

T = transmissivity, in feet squared per day;
 qa = average production rate, in cubic feet per minute; and
 Δp = pressure change, in pounds per square inch per log cycle of time.

A more detailed discussion of the calculation of transmissivity from drill-stem-test data can be found in the report by Miller (1976, p. 12-17). Calculated transmissivities from the drill-stem tests are summarized in table 1.

SELECTED REFERENCES

- Bredehoeft, J. D., 1965, The drill-stem test--The petroleum industry's deep-well pumping test: *Ground Water*, v. 3, no. 3, p. 31-36.
- Miller, W. R., 1976, Water in carbonate rocks of the Madison Group in southeastern Montana--A preliminary evaluation: U.S. Geological Survey Water-Supply Paper 2043, 51 p.
- Murphy, W. C., 1965, The interpretation and calculation of formation characteristics from formation test data: Duncan, Okla., Halliburton Services Division of Halliburton Co., 19 p.

DATA

Table 1.--*Selected drill-stem-test data*

Local number--well-numbering system described in text.

Latitude--first two numbers are degrees, second two numbers are minutes, and last two numbers are seconds.

Longitude--first three numbers are degrees, second two numbers are minutes, and last two numbers are seconds.

Formation--211BGEK, Big Elk Sandstone Member of Colorado Shale

211CLGG, Claggett Shale

211CLRD, Colorado Group

211CRLL, Carlile Shale

211EGLE, Eagle Sandstone

211FRNR, Frontier Formation

211FXHL, Fox Hills Formation

211GRNR, Greenhorn Limestone

211JDRV, Judith River Formation

211LNNP, Lennep Sandstone

211MSBY, Mosby Sandstone Member of Warm Creek Shale

211NBRR, Niobrara Formation

211PEAY, Peay Sandstone Member of Frontier Formation

211PRKM, Parkman Sandstone

211SNNN, Shannon Sandstone Member equivalent of Cody Shale

211VRGL, Virgelle Sandstone Member of Eagle Sandstone

217BCKF, Blackleaf Formation

217BILD, Bow Island Sandstone (informal usage)

217CBNK, Cut Bank Sandstone Member of Kootenai Formation

217DKOT, Dakota Sandstone or Formation

217FCCK, First Cat Creek sandstone

217FUSN, Fuson Member of Lakota Formation

217GRBL, Greybull Sandstone Member of Cloverly Formation

217KOTN, Kootenai Formation

217LKOT, Lakota Sandstone

217MDDY, Muddy Sandstone Member of Thermopolis Shale

217MLTN, Moulton Member of Kootenai Formation

217MWRY, Mowry Shale

217PRYR, Pryor Conglomerate Member of Cloverly Formation

217SBRS, Sunburst Sandstone Member of Kootenai Formation

217SCCK, Second Cat Creek sandstone of Kootenai Formation

217TCCK, Third Cat Creek sandstone of Kootenai Formation

221MRSN, Morrison Formation

221SWFT, Swift Formation

224NSSN, Nesson Formation

224PIPR, Piper Formation

224STTH, Sawtooth Formation

Table 1.--*Selected drill-stem-test data*--Continued

Well depth--in feet below land surface.

Tested interval--in feet below land surface.

Flow period--in minutes.

Transmissivity--in feet squared per day.

Shut-in pressure--in pounds per square inch. See section entitled Drill-Stem-
Test Analysis for explanation of letter designation.

Altitude of water surface--in feet above National Geodetic Vertical Datum of
1929.

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUBE	LONG- TUBE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
37N06W35DAC	485508	1122104	GOVERNMENT 1	217SBR	3074	3040 3074	05/30/1970	1	65	--	793R	2870
37N05W13CAB	485743	1121232	FED 1-11-13-37-5	217CBNK	2660	2616 2660	11/16/1976	1	90	<1	816E	3000
37N05W34CC	485458	1121525	ELMER1	217MLTN	2730	2673 2730	10/11/1968	1	95	--	770E	3090
37N05W34CC	485458	1121525	ELMER1	217CBNK	2910	2796 2808	10/12/1968	2	90	--	895C	3240
37N04W09	485837	1120817	ALBERMONT-O'HANLAN 1	217CBNK	2729	2648 2672	--	1	93	--	847C	2990
37N04W09AC8D	485844	1120810	WILCOX5	217MLTN	2625	2557 2625	04/21/1966	1	--	--	587C	2480
37N05W16DCC	485725	1120813	STATE 429-17	217CBNK	2728	2646 2727	09/26/1979	1	--	--	871C	3100
37N03W04CAD	485917	1120029	PARKER 1-4	217B1LD	2365	1314 1330	10/21/1973	2	45	--	291R	2800
37N03W06BBB	485949	1120332	PARKER 1	217CBNK	2549	2405 2472	06/16/1975	1	90	--	873E	3140
37N02W29BD	485610	1115404	MCVEY 22-29	217SBR	1955	1940 1955	12/31/1976	1	105	--	660E	2940
37N01E208A	485714	1113817	ASCHIM 1	217B1LD	1790	1130 1215	06/18/1974	5	94	--	240C	3460
37N01E208A	485714	1113817	ASCHIM 1	217B1LD	1790	990 1035	06/17/1974	2	36	--	87R	2990
37N01E208A	485714	1113817	ASCHIM 1	217SBR	1790	1520 1600	06/18/1974	3	36	--	312E	3120
37N01E34CD	485458	1113535	CROFT 1	217B1LD	1976	1063 1180	12/14/1974	1	75	--	167C	3540
37N01E34CD	485458	1113535	CROFT 1	217SBR	1976	1964 1976	12/15/1974	2	76	--	332E	3150
37N02E02D8DB	485917	1112544	GOV'T 32X-2	217SBR	2735	--	07/28/1969	1	90	--	897C	2990
37N02E08DB	485826	1112949	WESTERN-NATURAL 33-8	217B1LD	2720	--	11/10/1972	--	24	--	202E	2780
37N02E11CAAB	485834	1112606	GOV'T 23-11	217SBR	2710	2682 2710	12/01/1968	1	75	--	586E	2370
37N03E06DDB	485902	1112241	TEX PAC HOMSTAK 44-6	217SBR	2760	2606 2760	03/03/1977	1	135	--	898E	2970
37N03E08CD	485816	1112208	A FEY 24-8	217SBR	2803	2783 2803	10/27/1976	1	75	--	960E	3030
37N03E23CAC	485446	1111825	PARSELL 23-33	217SBR	2855	2762 2780	08/31/1976	2	90	--	953E	3090
37N03E23DDB	485646	1111753	PARSELL 23-23	217SBR	2852	2797 2852	08/30/1976	1	90	--	915E	2930
37N04E028DDB	485928	1111026	WALLACE 22X-2	217SWFT	3172	--	11/22/1974	--	73	--	601C	2440
37N04E02CADB	485917	1111026	US MONTANA 039557-A	217SWFT	3172	3050 3172	11/22/1974	1	73	<1	618E	2480
37N04E02DB	485920	1111008	I WALLACE33-2	217SBR	3140	2968 2990	10/21/1974	2	75	--	211C	1520
37N04E09ADB	485852	1111305	SHELL-1VERSON 21-9	217SWFT	2685	2505 2685	09/14/1973	1	77	<1	632E	2620
37N05E23DCA	485635	1110242	M 24-23	217SWFT	2855	2780 2855	06/19/1968	1	75	--	1043E	3160
37N05E268BA	485628	1110256	USA 39575	217SWFT	2832	2757 2832	09/10/1968	1	67	--	905E	2880
37N06E08ADC	485841	1105805	JOHNSON 1	217B1LD	2371	2299 2371	05/07/1977	1	62	--	810E	3070
37N06E09AB	485855	1105653	FEDERAL 2-9-37-6	217DKOT	2873	2840 2873	10/30/1976	1	90	<1	968E	2910
37N06E09AB	485855	1105653	FEDERAL 2-9-37-6	224STTH	3675	3538 3556	11/02/1976	2	90	<1	1376E	3180
37N06E17ABDB	485801	1105816	GILSON REICKE #1	217B1LD	2279	2229 2255	05/10/1977	1	30	<1	631E	2690
37N06E17ABDB	485801	1105816	GILSON REICKE #1	217MWRY	2279	2118 2144	05/10/1977	2	70	<1	513E	2530
37N06E18DDB	485729	1105924	TURNER 44-18	224STTH	3322	--	08/01/1970	--	67	<1	1332E	3270
37N06E32DD	485458	1105758	SAGE CREEK COLONY #1	217BCKF	1837	1704 1837	01/22/1976	2	60	<1	518E	3020
37N06E33BDB	485519	1105711	HOVEE 6-33	211NBRR	1750	1644 1650	11/21/1974	1	75	--	501C	2970
37N06E33BDB	485519	1105711	HOVEE 6-33	224STTH	3184	--	--	2	154	2	1304E	3300
37N08E17BC	485754	1104305	TEMPLE 5-17	211GRNR	3655	1905 2029	03/17/1974	1	64	--	1544E	3240
37N08E17BC	485754	1104305	TEMPLE 5-17	217B1LD	2029	2642 2651	03/23/1974	4	91	--	622E	2650
37N08E17BC	485754	1104305	TEMPLE 5-17	224STTH	3655	3560 3570	03/23/1974	4	60	--	879R	2650
37N10E26AAC	485624	1102212	ASMUND-AAGESON 1	224STTH	3550	3524 3550	03/17/1972	3	75	1	1758E	3380
37N11E17BD	485754	1101850	MCINTOSH 6-17	224STTH	3858	3704 3720	06/05/1975	3	66	--	1793E	3370
37N12E14BDC	485750	1100712	USA FEDERAL 1	224STTH	3750	3687 3750	01/08/1972	2	30	10	1825E	3350
37N12E14BDC	485750	1100712	USA FEDERAL 1	211EGLE	1150	1110 1150	12/31/1971	1	53	--	569C	3020
37N13E03DB	485924	1100018	BROWN	211GRNR	2300	--	12/23/1971	--	74	<1	963E	2830

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
37N19E15CB8D	485743	1091326	WOLF 1-2	224STH	4311	--	12/11/1969	--	100	<1	2082E	3340
37N19E15CB8D	485743	1091326	WOLF 1-2	217MDDY	3321	--	12/08/1969	--	100	--	1240C	2390
37N19E30CC	485544	1091720	WOLF #1	217MDDY	3220	--	11/21/1969	--	97	--	1216C	2370
37N20E10C	485826	1090524	MANDEL #1-4	224STH	4425	--	12/01/1969	--	95	--	2083C	3260
37N20E28B8AA	485617	1090643	AMOCO 1-28	224STH	4340	4310 4340	06/17/1975	2	70	<1	2120E	3360
37N30E08B8B	485055	1074840	MIDLANDS GAS 0870-1	211MSBY	1975	1800 1875	06/01/1975	--	45	<1	680E	2570
37N31E04CAB	485931	1073911	GOV 11-4	217MDDY	2286	2243 2286	07/23/1971	1	75	--	928R	2390
36N0SW16BA	485259	1121608	INEX CO	217CBNK	2961	2894 2961	10/02/1968	--	95	--	850C	3130
36N04W04	485425	1120806	--	217CBNK	2674	2662 2674	04/17/1971	1	72	<1	805E	3200
36N01E038D	485429	1113531	TWO HORSE SHOES	217BILD	1200	1155 1200	12/21/1974	1	136	--	133C	3310
36N01E038D	485429	1113531	TWO HORSE SHOES	217SBR	2058	2044 2058	12/27/1974	2	77	--	440E	3160
36N02E04B8D	485440	1112910	BRADSHAW #11-4	217BILD	2725	1736 1762	05/31/1976	1	75	--	263C	2940
36N02E04B8D	485440	1112910	BRADSHAW #11-4	217BILD	2725	1648 1642	06/01/1976	2	75	--	209C	2900
36N02E18DCB	485223	1113119	GOV 43-18	224STH	2840	2811 2840	06/17/1969	1	73	--	818C	3080
36N02E328D	485010	1113014	ROGERS-DYMOND ST-1	221SWFT	2285	2222 2285	10/10/1975	2	69	<1	717E	3080
36N02E328D	485010	1113014	ROGERS-DYMOND ST-1	217BILD	1293	1200 1293	10/08/1975	1	75	--	155C	2810
36N03E01BADB	485508	1111710	JOHNSON #1	217SBR	2461	--	05/27/1970	1	33	--	827C	3450
36N03E01BADB	485508	1111710	JOHNSON #1	224STH	2590	--	05/30/1970	2	36	--	819C	3220
36N04E33BCAD	485010	1113226	BEAUDOIN 12-33	217SBR	2310	1911 1942	11/25/1973	3	75	1	428E	3330
36N05E02	485425	1110249	FED 8-2	221SWFT	2644	2520 2644	12/13/1970	1	129	--	782E	3090
36N07E07CCA	485317	1105234	GUNDERSON 1	217BILD	2175	2165 2175	09/27/1972	1	61	1	634E	2670
36N07E08CA	485324	1105060	STATE #11-8	217BCKF	1891	1755 1891	12/12/1973	1	70	<1	522E	2790
36N07E15B8CD	485248	1104843	12-15 BJORNSTAD	224STH	3350	--	07/30/1970	--	66	<1	1483E	3360
36N07E27ABD	485118	1104807	MCCLELLAN-1	224STH	3520	3360 3380	11/09/1974	1	88	<1	1488E	3380
36N07E27ABD	485118	1104807	MCCLELLAN-1	217BILD	3520	2275 2286	11/11/1974	2	85	1	678E	2640
36N08E27CA	485049	1104034	BANGS 11-27	211EGLE	723	655 723	09/08/1971	1	45	--	282R	3110
36N08E27CA	485049	1104034	BANGS 11-27	217BILD	2220	2150 2220	09/11/1971	2	44	--	780R	2890
36N08E27CA	485049	1104034	BANGS 11-27	224STH	3312	3253 3312	09/13/1971	3	70	--	1130R	2610
36N09E29DDA	485038	1103434	HALL 13-29-36-9	224STH	3523	3370 3390	04/03/1975	2	90	--	1622C	3360
36N09E368D	485010	1103004	STATE 6-36	211GRNR	1980	1877 1980	01/17/1974	1	90	--	188R	1550
36N09E368D	485010	1103004	STATE 6-36	224STH	3537	3514 3537	01/20/1974	2	60	--	1679C	3350
36N10E01CC	485407	1102234	STATE 13-1	217BILD	3764	2539 2573	01/23/1975	3	60	--	950R	2400
36N10E20AB	485208	1102707	HILL 1	217BCKF	2150	2020 2150	05/03/1979	2	73	--	745E	2610
36N11E17B8D	485259	1101952	LAKE 4-7	224STH	3821	3630 3672	11/21/1974	4	84	--	1804E	3370
36N11E03DBAA	485422	1100040	KNAPE 3-10	211EGLE	1788	1420 1480	01/14/1978	2	121	--	693C	3040
36N13E28DB	485053	1100210	OIL RESOURCES 28-10	211EGLE	1483	--	01/31/1971	--	45	--	469C	2780
36N14E36DA	484959	1095002	STAK 9-36-36-14	211GRNR	3010	2438 2520	07/27/1978	1	91	<1	858E	2480
36N20E12CC	485313	1090354	HILLSBORO 1-8	224STH	4506	4495 4506	12/15/1969	1	104	--	2104E	3310
36N30E258D	485111	1074446	FED 2560-1	211GRNR	1294	1180 1294	05/22/1975	1	50	<1	560E	2580
36N30E258D	485111	1074446	FED 2560-1	211MSBY	1496	1496 1420	05/23/1975	2	80	<1	642E	2530
36N31E	485219	1073958	--	211MSBY	1749	1680 1749	--	--	56	--	638E	--
36N31E048D	485432	1074048	FED 0461-1	211GRNR	1559	1449 1559	05/25/1975	1	50	<1	606E	2640
36N31E178DB	485255	1074214	FED #1-1761	211EGLE	528	447 528	08/05/1974	1	90	<1	153E	2450
36N31E178DB	485255	1074214	FED #1-1761	211GRNR	1420	1310 1420	08/07/1974	2	25	--	589C	2580
36N31E208DB	485205	1074214	FED #2061-1	211GRNR	1333	1220 1330	05/14/1975	1	50	<1	598E	2660

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
36N31E208DB8	485205	1074214	FED #2061-1	211MSBY	1525	1450 1525	05/15/1975	2	50	7	618E	2480
36N34E11	485338	1071413	TERRA-FED-GAYWAY 1	211MSBY	2429	2142 2429	07/24/1974	1	90	--	614R	2040
36N39E36	484952	1063314	FED #3669	211MSBY	2045	1807 2045	08/12/1975	2	95	--	650E	2490
35N01E138C	484735	1113314	BNB 22-13	224STTH	2133	2125 2133	03/28/1977	1	120	--	756C	3130
35N02E058BC	484926	1113000	STROOCK 2-5	217BILD	2277	1525 1555	06/04/1977	2	91	--	339C	2860
35N02E068BC	484926	1113119	STROOCK 2-5	221SWFT	2277	2135 2277	06/04/1977	3	90	--	778E	3230
35N02E138A	484720	1112458	SCHUMAKER	224STTH	2500	2443 2500	07/14/1973	1	76	--	889E	2530
35N02E29DA	484536	1112935	TOMAYER 43-29	221SWFT	2195	1884 1930	11/18/1976	3	120	--	718E	3250
35N02E29DA	484536	1112935	TOMAYER 43-29	224STTH	2101	2080 2101	11/11/1976	1	120	--	823E	3260
35N03E10AB	484836	1111923	MORRIS 1	217DKOT	2310	2195 2310	03/03/1974	1	80	<1	568E	3150
35N03E10AB	484836	1111923	MORRIS 1	217S8RS	2785	2735 2785	03/04/1974	2	73	--	867C	3310
35N04E18ABD	484720	1111514	HAWKSI-18	217S8RS	2988	2754 2780	04/29/1976	2	35	2	853E	3330
35N04E19AC	484641	1111529	BRIDGER #1 HAWKS	217DKOT	2990	2176 2210	07/22/1971	3	75	--	469R	3030
35N05E11	484822	1110242	--	217S8RS	1705	--	07/26/1971	--	45	--	72R	2440
35N05E24	484634	1110123	--	217BILD	2467	1936 2090	02/28/1975	--	33	--	12R	1960
35N06E12AD	484825	1105259	KEITH-STANDIFORD #8	217BILD	2288	2156 2204	11/23/1978	1	90	--	668E	2820
35N07E11AC	484836	1104634	RICHTER 1-11	224STTH	3327	3284 3327	11/13/1970	1	70	2	1466E	3300
35N07E21CA	484630	1104944	JOY 21-11	217BILD	2165	2145 2165	07/17/1963	1	150	--	630C	2660
35N07E21C8D	484626	1104959	JOY #1	217BILD	2156	2128 2156	08/23/1971	1	130	--	624E	2640
35N07E21C8D	484626	1104959	JOY #1	217BILD	3331	2228 2237	08/28/1971	3	70	--	732C	2820
35N07E22C	484623	1104836	HODGES #1	217BCKF	2158	2132 2158	08/08/1963	1	80	<1	650E	2680
35N07E27ABD	484558	1104800	RICHER "F"	217BILD	2144	2106 2144	10/14/1971	1	133	--	614E	2620
35N07E27ABD	484558	1104800	RICHER "F"	224STTH	3240	3227 3240	10/18/1971	2	144	--	1496E	3540
35N07E28ABD	484601	1104919	JOHNSON D	217BILD	2130	2114 2130	11/02/1970	1	127	--	623E	2640
35N07E28ABD	484601	1104919	JOHNSON D	224STTH	3237	3217 3237	11/04/1970	2	11	--	1438C	3430
35N07E29AC	484601	1105028	MILES 1	217BILD	2199	2141 2199	08/08/1971	1	130	<1	646E	2700
35N07E29AC	484601	1105028	MILES 1	224STTH	3243	3222 3243	08/10/1971	2	65	<1	1400E	3360
35N07E33BAC	484507	1104948	MLINER #1	217BILD	2137	2119 2137	08/15/1971	1	130	--	600E	2600
35N12E33CA	484446	1101023	WALL 1	211N8RR	1528	1479 1528	11/30/1971	1	71	<1	723E	2880
35N14E36AC	484511	1095010	STATE 1-36-35-14	211CLRD	3009	1820 1840	07/22/1978	2	96	--	48R	1060
35N14E36AC	484511	1095010	STATE 1-36-35-14	217BCKF	3009	2296 2360	07/22/1978	1	90	--	679R	2000
35N15E22	484637	1094518	--	211EGLE	1400	--	04/24/1971	1	84	--	422E	2580
35N16E01AA	484934	1093419	HANSEN #1	224STTH	4035	--	10/11/1970	--	102	<1	2030E	3410
35N17E2288DB	484659	1093004	ELDORADO 1-10	224STTH	4127	4021 4033	11/28/1969	2	100	<1	2092E	3530
34N01E27AB	484048	1113510	JOHANSON 2-27	217S8RS	1780	1430 1479	07/19/1979	1	--	--	559C	3240
34N02E15CA	484207	1112736	KOLSTAD3	217S8RS	1709	1686 1709	10/20/1978	1	97	<1	700E	3270
34N02E16AC	484229	1112823	STATE 16,640-75	217BILD	1432	822 870	04/27/1976	2	61	--	160C	2930
34N02E16AC	484207	1112823	STATE 16,640-75	217KOTN	1432	1355 1432	04/26/1976	1	119	<1	462E	3100
34N02E35AB	483958	1112559	DYRDAHL 2-35	221SWFT	2007	1750 1798	07/08/1979	2	--	--	739C	3230
34N03E300CA	484012	1112313	STATE 15-30	217BILD	1157	1039 1157	09/08/1978	1	76	--	331E	2990
34N03E300CA	484012	1112313	STATE 15-30	221SWFT	2184	1954 1988	09/13/1978	5	196	--	840E	3330
34N04E040CDB	484537	1111250	BLAIR-UNION	217BILD	2587	1800 1820	10/18/1970	3	73	--	636E	2700
34N04E140B	484207	1111019	JESSE BLAIR 2	221SWFT	2767	2610 2772	07/14/1979	1	90	--	656R	2580
34N05E070BC	484258	1110744	REILAND 33-7	221SWFT	2838	2705 2838	04/30/1977	1	89	--	1035E	3230
34N06E288DBD	484037	1105736	BRIDGER-MCCARTHY 1	211EGLE	3250	548 580	10/05/1972	1	51	--	122C	3240

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
34N06E2880BD	484037	1105736	BRIDGER-MCCARTHY 1	2179BRS	3250	2876 2920	10/05/1972	3	52	<1	1105E	3190
34N07E15AC8D	484222	1104807	POETZL 32-15	2248TTH	3320	3195 3320	07/21/1970	1	65	1	1423E	3400
34N07E16	484214	1104934	STATE 16-7	211NBRR	2215	1940 2115	05/12/1978	1	87	<1	617E	2820
34N08E18AAC	484229	1104355	RUDOLPH 1-18	2248TTH	3295	3260 3295	11/08/1970	1	35	<1	1580E	3600
34N08E20CCAC	484102	1104330	GUTCHER #1	211VRGL	3420	698 710	09/21/1973	1	60	<1	293E	3140
34N13E348BD	483958	1100126	DONOVAN 2-34	211EGLE	1360	1118 1128	11/07/1974	1	105	<1	455E	2610
34N14E13CCA	484204	1095060	GOGLIEOSKY #1-13	211EGLE	1380	875 934	09/23/1975	1	45	<1	308E	2730
34N15E13BAC	484236	1094254	NICHOLS 13-1	211EGLE	1552	988 1018	09/25/1974	1	108	--	412E	2640
34N15E15DB	484214	1094507	NICHOLS 15-10	211JDRV	1636	580 612	01/23/1971	1	90	--	203R	2630
34N16E19DB	484120	1094110	ANDERSON #1-19	211EGLE	1575	1464 1476	03/17/1975	1	40	--	610E	2690
34N16E33AA	484005	1093813	RANDALL 1-33	211JDRV	1578	693 705	03/14/1975	1	65	--	247E	2580
34N16E36CB	483936	1093517	STATE #1 PROBE OIL	211JDRV	656	639 656	11/03/1972	1	70	--	202C	2460
34N17E32ADAD	483950	1093134	W PAULSEN ETAL #1	211EGLE	1246	1142 1152	08/20/1971	1	42	--	529C	2660
34N18E148B	484240	1092056	RESER 1-14	211JDRV	572	482 572	12/27/1969	1	156	--	187C	2580
34N18E24DB	484117	1091843	STATE 1-Q	211JDRV	1700	519 524	03/20/1972	1	50	--	160C	2470
34N19E10DBD	484258	1091330	HOLMAN2	2248TTH	3970	3925 3970	07/03/1973	1	70	1	2048E	3350
34N19E22AC	484138	1091113	HUTCHINSON 1	2248TTH	4145	4067 4095	02/13/1977	1	78	<1	1562E	3480
34N20E17CC	484204	1090914	1-18 RABBIT HILLS	2248TTH	4206	4096 4104	--	3	240	--	1952C	--
34N21E01CCA	484352	1085602	FEDERAL 1	2248TTH	4402	4375 4404	02/27/1974	1	81	<1	2060E	3300
34N29E28DB	484034	1075559	FEDERAL2849-1	211MSBY	1913	1801 1913	06/27/1975	1	80	<1	668E	2480
34N31E17BDB	484232	1074211	FEE 1741-1	211GRNR	1174	1060 1174	06/08/1975	1	45	<1	478E	2600
34N31E17BDB	484232	1074211	FEE 1741-1	211MSBY	1482	1380 1482	06/08/1975	2	45	--	522C	2390
33N04M35	483430	1122107	BLACKFOOT TRI M-1712	217CBNK	3250	3162 3250	08/26/1975	1	132	<1	700E	2220
33N04E23AD	483614	1113332	REINHART 1-23	217KOTN	1620	1142 1164	04/05/1975	1	106	--	310R	2880
33N04E02CCA	483628	1111052	D R OLSON	211EGLE	1767	1748 1767	08/17/1973	1	61	--	543C	3000
33N09E168BAC	483723	1103416	ANADARKO STATE 16-4	2248TTH	3890	3805 3847	07/07/1972	1	77	6	1675E	3220
33N11E07CA	483744	1102049	RAMBO 1-7	2248TTH	3502	3491 3502	03/17/1979	1	88	--	1753C	3410
33N12E34BA	483448	1100904	GIVAN 3-34	2248TTH	3765	3754 3765	01/09/1980	1	135	--	1762R	4040
33N15E248D	483112	1094352	STATE 1	211EGLE	1299	1278 1299	01/16/1970	1	83	--	462R	3190
33N15E248D	483625	1094250	STATE 1	2248TTH	3945	3910 3945	01/20/1970	2	152	--	1956C	3370
33N15E29B	483029	1094858	LONG ESTATE 29-1	211EGLE	1650	1250 1278	08/01/1974	--	75	--	491E	2580
33N16E04CCA	483835	1093911	MARK 13-4	211JDRV	1601	794 801	12/16/1975	1	96	--	226C	2460
33N16E05DCB	483838	1093958	MARK 15-5	211JDRV	1625	820 834	12/10/1975	1	90	--	229R	2460
33N16E08ABD	483817	1093947	MARK 2-8	211JDRV	1725	795 810	03/11/1975	1	81	--	206C	2440
33N17E07BC	483806	1093401	VELK #1	211EGLE	1610	1200 1210	05/12/1974	1	75	--	502C	2620
33N18E28DCAB	483510	1092252	STATE #0-1	211EGLE	1212	1039 1046	03/08/1972	1	93	--	490C	2620
33N18E348CA	483441	1092208	STATE P-1	211EGLE	1243	1045 1060	04/08/1972	1	--	--	488E	2620
33N19E248B	483640	1091153	HOLEMAN 4-24	2248TTH	3860	3830 3860	03/06/1971	1	133	--	2100E	3480
33N20E16CDB	483658	1090741	STATE 24-16	211EGLE	1455	1280 1326	01/06/1978	1	84	--	546C	2520
33N22E11AC	483813	1084905	BALDRIK #11-1	211JDRV	2300	770 780	01/23/1974	1	40	--	212C	2460
33N26E25CA	483520	1081601	FED #1	217MDDY	3069	2981 3069	03/01/1974	1	70	2	1062E	2360
33N28E06	483856	1080643	FED-1 0638	211GRNR	1810	1690 1810	09/09/1974	1	90	--	568R	2340
33N29E29BCDA	483531	1075747	FED #1-2939	211CLRD	1280	1150 1280	09/03/1974	1	60	--	362C	2390
33N29E29BCDA	483531	1075747	FED #1-2939	211GRNR	1682	1550 1682	09/05/1974	2	90	<1	537E	2400
33N29E29BCDA	483531	1075747	FED #1-2939	211MSBY	1873	1800 1873	09/05/1974	3	90	<1	638E	2380

Table 1. -- Selected drill-atom-test data -- Continued

LOCAL NUMBER	LATI-TUDE	LONG-ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS-IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
33N30E058D	483904	1074948	SIMSER 0530-1	211NBRR	1262	1135 1262	08/18/1974	1	90	<1	392E	2480
33N30E058D	483904	1074948	SIMSER 0530-1	211MSBY	1732	1630 1732	08/19/1974	2	110	<1	588E	2440
33N30E348DBA	483444	1074713	FEDERAL 3430-1	211GRNR	1502	1354 1502	06/29/1975	1	75	<1	457E	2320
33N30E348DBA	483444	1074713	FEDERAL 3430-1	211MSBY	1689	1575 1689	06/30/1975	2	75	<1	575E	2360
33N31E320B	483426	1074138	MIDLANDS 3231-1 FED	211GRNR	1100	952 1100	07/03/1975	1	75	--	388C	2290
33N31E320B	483426	1074138	MIDLANDS 3231-1 FED	211MSBY	1316	1200 1316	07/04/1975	2	75	<1	541E	2390
33N31E338DD	483437	1074034	FED 1-33-31E	211MSBY	1480	1260 1480	11/04/1974	1	75	--	494R	2130
33N56E17	483647	1042501	--	224NSN	7756	7656 7756	12/09/1968	1	180	--	3633R	2940
32N01E11CA	483235	1113412	KENNING FARMS 1-11	217DKOT	1553	954 980	04/13/1975	1	91	--	220R	2740
32N03E050CA	483314	1112201	LARSON 15-2-32-3	217BLD	1662	1020 1067	05/18/1975	1	89	--	241C	2840
32N03E11	483238	1111825	HALVARSON 16-11-32-3	217SBR	2345	2033 2098	04/14/1975	2	105	--	900R	3360
32N03E29AAC	483112	1112154	KINYON 1-20R	217BLD	1196	1158 1196	07/26/1974	2	61	--	372E	2860
32N04E14CAB	483159	1111034	BROWN-STATE1	224STH	2677	2664 2677	09/01/1973	1	40	3	1212E	3310
32N05E11CD	483220	1110300	STATE 1	224STH	2793	2780 2793	02/20/1973	1	75	--	1207R	3270
32N10E24	483101	1102234	PATRICK #24-6	211EGLE	1000	770 800	04/11/1974	1	55	<1	318E	2910
32N11E24BD	483105	1101456	BRIDGER #1 S. BAKKE	211EGLE	1296	870 925	11/13/1971	1	69	--	374R	2780
32N11E24BD	483105	1101456	BRIDGER #1 S. BAKKE	224STH	3735	3598 3622	11/19/1971	3	79	--	1756R	3290
32N11E308DBA	483018	1102129	RAMBO 30-6	211EGLE	1100	770 790	04/14/1974	1	37	--	325C	2930
32N14E098D	483253	1095523	KNUTSON ETAL #1	211EGLE	1303	1004 1014	06/11/1969	2	52	--	398C	2620
32N15E14CCA	483141	1094507	SANDS 13-14	211EGLE	1384	--	05/23/1971	--	74	--	412C	2580
32N15E21AABC	483126	1094655	LAMEY 1-21	211EGLE	1353	1030 1049	05/13/1971	1	74	--	395E	2510
32N15E260B8D	483011	1094435	ELIASON-BISHOP 10-26	211EGLE	1386	1030 1057	05/10/1971	2	44	--	437C	2630
32N15E260B8D	483011	1094435	ELIASON-BISHOP 10-26	211VRGL	1386	--	05/10/1971	--	80	--	427C	2610
32N16E10CD	483231	1093820	CHAPMAN 25-10-32-16	211EGLE	1525	1416 1426	12/05/1973	1	59	--	423C	2700
32N16E30AD8	483025	1094142	WIGMORE #30-1	211JOKV	750	550 630	02/07/1974	1	45	--	127C	2480
32N16E30AD8	483025	1094142	WIGMORE #30-1	211EGLE	1509	1140 1206	02/09/1974	2	70	<1	386E	2510
32N17E200DB	483050	1093235	DAVEY 20-16	211EGLE	1450	1090 1120	10/15/1972	2	75	--	415C	2610
32N17E22CCAC	483050	1093050	FEDERAL 13-22	211EGLE	1364	1132 1150	02/08/1974	1	75	--	340E	2420
32N17E260D	482956	1092837	DAVEY 26-16	211EGLE	1600	1202 1224	09/17/1972	1	76	--	400E	2550
32N17E35AD	482931	1092837	DAVEY 35-8	211EGLE	1500	1282 1295	09/13/1972	1	81	--	416C	2550
32N18E25	483014	1092002	RAMBERG 4	211EGLE	1383	1134 1146	12/18/1974	1	79	--	367E	2510
32N19E318B	482942	1091912	MUELLER #3	211JOKV	1341	677 718	06/24/1972	1	101	--	212E	2660
32N19E31C8AC	482920	1091912	MUELLER #2	211EGLE	1463	1222 1239	04/13/1972	1	54	<1	410E	2560
32N29E128DB	483256	1075404	FEDERAL 1229-1	211MSBY	1872	1758 1872	07/14/1975	2	75	<1	631E	2400
32N29E128DB	483256	1075404	FEDERAL 1229-1	211GRNR	1640	1526 1640	07/13/1975	1	75	<1	509E	2370
32N29E29	483007	1075913	STATE-3629 #1	211GRNR	1640	1575 1640	08/31/1974	3	100	<1	560E	2330
32N29E29	483007	1075913	STATE-3629 #1	211EGLE	693	600 693	08/29/1974	1	60	--	162E	2370
32N30E25CD	482949	1074605	FED-3520#1	211NBRR	1105	970 1105	08/26/1974	1	90	--	303E	2350
32N30E25CD	482949	1074605	FED-3520#1	211MSBY	1600	1467 1600	08/27/1974	2	--	--	509E	2320
32N31E048DB8	483354	1074214	MID GAS CORP 0421 #1	211GRNR	1198	1010 1198	10/11/1974	1	75	<1	422E	2340
32N31E048DB8	483354	1074214	MID GAS CORP 0421 #1	211MSBY	1315	1245 1315	10/14/1974	2	60	<1	513E	2310
32N35E07D	483238	1071308	BOWMAN 1	211GRNR	986	915 986	06/30/1974	1	98	--	212C	1950
31N05E09AB	482747	1110513	EVELAND 1	224STH	2660	2635 2660	02/01/1979	1	75	4	1195E	3170
31N05E09AB	482747	1110513	EVELAND 1	224STH	2645	2625 2645	01/31/1979	2	45	<1	1195E	3180
31N07E05CD	482805	1105118	WALDEN 5-14	217BCKF	2054	1999 2054	07/22/1963	3	55	--	706C	2860

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
31N07E05CD	482805	1105118	WALDEN 5-14	224STTH	3118	3098 3118	07/24/1963	4	75	--	1440E	3460
31N10E16	482642	1102628	STATE 16-31-10	211EGLE	1500	866 884	09/27/1973	1	75	--	286C	2840
31N11E36ADA	482414	1101413	STATE #2	211EGLE	1149	653 764	06/20/1974	1	63	--	229C	2740
31N13E15B	482656	1100202	DOBIE #1	211EGLE	1202	846 872	09/29/1972	1	119	--	238E	2620
31N17E16AAC	482646	1093148	STATE 16-11	211EGLE	1802	1408 1440	09/13/1972	1	75	--	400C	2780
31N17E24C8DA	482552	1092812	OLSON 24-12	211EGLE	1751	1240 1256	10/08/1972	1	83	--	329C	2800
31N18E018BD	482848	1092028	LONEY 1-14	211EGLE	1400	1110 1165	03/26/1973	1	75	<1	355E	2580
31N18E18BA	482646	1092602	OLSON 18-9	211EGLE	1550	1243 1260	10/04/1972	1	--	--	357C	2670
31N18E328B	482432	1092541	POULSEN 32-4	211EGLE	1370	1070 1115	09/28/1972	1	76	--	346C	2930
31N26E138BD	482700	1081756	ROBINSON 1	211GRNR	1683	1500 1683	10/17/1973	2	80	<1	687E	2540
31N26E138BD	482700	1081756	ROBINSON 1	211MSBY	1996	1800 1996	10/17/1973	3	90	<1	800E	2500
31N30E03CCAA	482808	1074858	KILROY 1	211MSBY	1850	1514 1850	06/23/1972	2	92	--	732E	2450
31N30E03CCAA	482808	1074858	KILROY 1	211GRNR	1852	1309 1385	06/23/1972	3	96	--	408C	2260
31N30E09DBAC	482729	1074941	MIDLANDS GAS 0910	211GRNR	1360	1189 1360	08/06/1975	1	75	<1	412E	2300
31N30E09DBAC	482729	1074941	MIDLANDS GAS 0910	211MSBY	1630	1425 1630	08/07/1975	2	75	<1	551E	2390
31N30E368DB	482422	1074612	STATE-1-3610	211MSBY	1302	1330 1366	09/14/1974	3	90	<1	520E	2320
31N30E368DB	482422	1074612	STATE-1-3610	211GRNR	1366	1030 1085	09/13/1974	1	90	<1	554E	2300
31N30E368DB	482422	1074612	STATE-1-3610	211MSBY	1085	1240 1302	09/14/1974	2	90	--	2170	2170
31N31E198DB	482602	1074453	SUNDSETH-1911-1	211GRNR	1240	1090 1240	07/06/1975	1	75	<1	430E	2310
31N31E198DB	482602	1074453	SUNDSETH-1911-1	211MSBY	1445	1315 1445	07/07/1975	2	75	<1	572E	2420
31N32E	482624	1073336	MIDLANDS GAS #0910	211MSBY	1630	1425 1630	08/07/1975	2	75	<1	558E	2400
31N32E18B	482700	1073712	FEDERAL 18-12	211GRNR	882	782 882	05/24/1975	1	40	<1	263E	2090
31N32E18B	482700	1073712	FEDERAL 18-12	211MSBY	1140	1035 1140	05/25/1975	2	50	<1	478E	2330
31N32E218DB	482606	1073430	FEDERAL-1-2112	211GRNR	899	769 899	09/09/1974	1	90	3	231E	2060
31N32E218DB	482606	1073430	FEDERAL-1-2112	211MSBY	1128	1030 1128	09/10/1974	2	90	<1	455E	3020
31N33E168DAB	482700	1072631	STATE-1 #1613	211GRNR	1160	1032 1160	09/06/1974	1	90	--	206C	1990
31N33E210ABC	482552	1072602	FED 1-21	211GRNR	1145	1060 1145	02/03/1973	1	75	--	212C	1980
31N33E358DD	482418	1072353	FEDERAL3513	211MSBY	1375	1277 1375	09/04/1974	2	90	<1	453E	2290
30N08E14AC	482132	1103918	BLALEK 14-7	217BCKF	1830	1780 1830	08/01/1963	1	75	--	670C	3080
30N08E14AC	482132	1103918	BLALEK 14-7	217BCKF	1974	1942 1974	08/02/1963	2	75	--	732C	3060
30N08E14AC	482132	1103918	BLALEK 14-7	217BCKF	2074	2035 2074	08/02/1963	3	60	--	870E	3290
30N08E14AC	482132	1103918	BLALEK 14-7	217BCKF	2493	2433 2493	08/04/1963	4	30	--	1030E	3260
30N15E0108BA	482317	1095111	ROCKY 80Y #1	211EGLE	1170	984 994	07/11/1970	1	65	--	289C	2580
30N15E18CACA	482125	1095013	ROCKY 80Y 18-18	211EGLE	1946	1696 1946	11/13/1973	1	73	<1	548E	2630
30N15E35CCA	481836	1094746	ROCKY 80Y 13-33	211EGLE	2766	1548 1580	08/24/1977	2	91	<1	468E	3320
30N21E34	481847	1085920	STATE 34-30-21	211EGLE	1499	1070 1124	07/04/1973	1	65	--	402C	3230
30N25E1580AA	482140	1082801	TR18AL #6-15	211GRNR	2359	2022 2359	04/24/1976	1	45	--	838E	2760
30N27E168A	482147	1081348	STATE1-16	211GRNR	1431	1230 1431	10/24/1973	1	90	2	583E	2420
30N27E168D	482136	1081348	STATE1	211MSBY	1652	1500 1652	10/25/1973	2	90	<1	710E	2450
30N29E060B	482306	1080022	FEDERAL #6-10	211CLRD	1633	1560 1633	11/01/1971	2	40	<1	637E	2240
30N31E16AC	482143	1074156	STATE 1	211GRNR	1000	800 1000	03/12/1974	1	93	--	317C	2340
30N31E16AC	482143	1074156	STATE 1	211MSBY	1250	1150 1250	03/14/1974	3	90	<1	565E	2570
30N32E258DB	481952	1073036	MID GAS CORP 2502	211GRNR	1200	997 1200	08/03/1975	1	75	--	226C	2060
30N32E258DB	481952	1073036	MID GAS CORP 2502	211MSBY	1600	1397 1600	08/04/1975	2	75	--	422R	2120
30N33E128CA	482234	1072310	MIDLAND GAS 1203-1	211MSBY	1434	1366 1434	08/23/1974	2	90	<1	448E	2190

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
30N33E2980B	481952	1072805	FEDERAL2903	211MSBY	1418	1216 1418	07/30/1975	1	95	<1	260E	2020
30N34E0480BB	482328	1071905	MIDLAND GAS 0404-1	211MSBY	1280	1163 1280	11/01/1975	2	75	<1	430E	2190
30N34E2280B	482046	1071742	2204 1	211GRNR	897	750 897	10/03/1974	1	90	<1	215E	1970
30N35E04CAC	482302	1071106	MIDLANDS GAS #0405	211GRNR	1578	1450 1578	08/29/1974	1	90	--	202C	1890
30N36E06CDA	482255	1070542	FED 403	211MSBY	2401	1328 1446	08/05/1971	1	65	--	44R	1080
30N36E3680BC	481858	1065920	STATE3606	211GRNR	1594	1422 1594	07/24/1975	1	75	<1	486E	2180
30N37E3180B	481905	1065801	FED-1 #3107	211GRNR	1560	1420 1560	09/18/1974	2	125	<1	481E	2120
30N45E24AD	482038	1054825	SCHULIZ #1	224PIPR	5127	5082 5127	02/28/1956	1	240	--	2375C	3170
29N04W34AA	481402	1120600	OSTROM #1-34	217BILD	1820	1730 1820	07/12/1974	1	75	--	302E	2670
29N08E24CC	481504	1103835	SIEMENS	217TCKK	2386	2350 2386	11/15/1970	1	55	--	67R	900
29N13E30C	481420	1100600	COURTNAGE-ANDERSON 1	211EGLE	861	471 490	12/16/1974	1	60	--	164C	2740
29N14E12AB	481728	1095111	ROCKY BOY #12-29-14	211EGLE	1623	1250 1258	03/25/1978	1	120	--	399C	3090
29N14E12AB	481728	1095111	ROCKY BOY #12-29-14	211EGLE	1623	1160 1190	03/25/1978	2	105	<1	367E	3090
29N14E21ABD	481536	1095058	COWAN 21-2X	211EGLE	1400	1235 1400	03/23/1973	1	75	<1	375E	2890
29N15E05CA	481753	1094850	ROCKY BOY 2-5	211EGLE	2302	1998 2302	08/30/1973	1	87	--	603C	2980
29N15E080ABC	481702	1094818	ROCKY BOY 3-8	211EGLE	2479	1294 1440	09/09/1973	1	45	--	399C	1370
29N15E10CCA	481652	1094626	ROCKY BOY 1-10	211EGLE	1444	1178 1319	05/30/1971	1	119	--	343R	3340
29N15E16AC	481623	1094710	ROCKY BOY 1-16	211EGLE	1662	1622 1700	09/04/1971	1	75	--	16R	2180
29N15E17BACC	481630	1094858	ROCKY BOY 4-17	211EGLE	1646	1294 1351	09/14/1973	1	45	--	406C	3110
29N15E198BAC	481503	1095028	ROCKY BOY #6-19	211EGLE	2095	1780 1842	11/03/1973	2	124	--	514E	3080
29N15E29D8D	481420	1094825	ROCKY BOY 16-29	211EGLE	2900	2412 2496	10/26/1973	1	94	--	124R	1960
29N17E23D8D	481420	1094825	ROCKY BOY 16-29	211JDV	2900	1490 1700	10/27/1973	3	90	--	118R	2860
29N17E03AAC	481804	1093000	BROWN1	217BILD	3260	2020 2060	09/21/1973	1	60	<1	542E	2940
29N24E11ADBC	481717	1083408	MONTANA POWER	211CRLL	3958	3314 3346	05/05/1976	3	75	--	1713C	3310
29N27E27D	481417	1081204	MILK RIVER L8CC1	211GRNR	2240	1752 1815	06/24/1973	2	90	9	736E	2580
29N33E05DD	481731	1072732	FED #44-5	217DKOT	2854	2575 2595	03/07/1979	2	60	--	1335C	3080
29N33E05DD	481731	1072732	FED #44-5	217FCKK	2854	2333 2353	03/08/1979	3	15	--	368C	1090
29N47E14A8DB	481612	1053405	RENSVOLD1-14	217DKOT	7475	3788 3793	12/06/1972	3	50	--	1620C	2340
28N01E05	481207	1113759	KIELLAND 6-5	217SARS	2104	1772 1782	10/20/1979	1	75	--	656C	3140
28N01E05	481247	1113759	KIELLAND 6-5	221SWFT	2104	1830 1890	10/20/1979	2	135	--	708C	3130
28N01E28DB	480911	1113632	THOMPSON 1-28	217SARS	1480	1246 1256	12/17/1974	1	65	--	343C	3300
28N02E29CA	480911	1113025	ROBINSON 24-29	221SWFT	2056	1864 1926	02/15/1977	2	92	--	750E	3200
28N05E20CC	480950	1110741	STEWART 13	217SARS	2287	2263 2287	05/08/1977	1	105	--	984C	3330
28N13E36AAC	480842	1095924	STATE 1-36	211JDV	1829	573 588	09/03/1976	1	93	--	200C	3170
28N14E09CDB	481131	1095602	TRUNK 14-9	211EGLE	1692	1262 1354	10/23/1978	1	132	--	413C	3040
28N14E16	481059	1095548	STATE 3-16	211GRNR	2199	2068 2199	10/13/1978	1	75	--	836R	3120
28N14E16	481059	1095548	STATE 3-16	211JDV	--	1892 1968	10/14/1978	3	135	--	761R	3130
28N18E19AC	481016	1092718	KELLER 7-19	217BILD	3005	2938 3005	12/10/1976	2	70	<1	797E	3370
28N18E19AC	481016	1092718	KELLER 7-19	211EGLE	5925	1180 1210	12/30/1976	5	75	--	495C	4490
28N18E19AC	481016	1092718	KELLER 7-19	211EGLE	5925	1020 1050	12/30/1976	4	75	<1	443E	4490
28N19E328D	480831	1091825	FED 14-32	211EGLE	1900	1528 1558	07/06/1977	1	89	--	488E	3610
28N21E36	480824	1085732	STATE 36-28-21	211EGLE	1704	1254 1310	07/28/1973	1	40	--	474C	3290
28N22E31AAC	480842	1085552	SPENCER 41-31	211GRNR	1894	1764 1894	12/14/1976	1	160	--	853E	3320
28N36E23DB	480958	1070231	FED #1-2386	211GRNR	1775	1609 1775	07/17/1975	1	75	--	520C	1950
27N03E01DD	480712	1111652	AABAK 1-16	221SWFT	2140	1922 1954	01/24/1978	1	82	--	873E	3500

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
27N05E34	480314	1110426	--	217SRRS	2150	--	09/28/1969	--	76	2	688E	3490
27N13E36	480325	1095953	STATE #1-36	211EGLE	1450	684 726	11/03/1973	1	245	--	273C	3150
27N14E36AACB	480340	1095118	STATE 20-36	211EGLE	1621	1150 1218	07/07/1973	1	91	<1	342E	3270
27N15E22DCBA	480448	1094626	IX RANCH B	211EGLE	2216	1766 2216	12/02/1972	1	84	<1	313E	2930
27N15E28DDDB	480358	1094728	IX RANCH A	211EGLE	2354	1836 2354	11/24/1972	1	--	--	672C	3390
27N16E25ADB	480416	1093600	HOKANSON 3-25	211EGLE	2098	1923 2098	11/24/1973	1	90	--	554C	3360
27N16E32BCAC	480325	1094153	DUMAS 1-32	211JDRV	2845	2050 2144	10/23/1973	2	90	--	675E	3480
27N16E32BCAC	480325	1094153	DUMAS 1-32	217MDY	3520	3470 3520	10/26/1973	3	90	1	1210E	3280
27N16E32BCAC	480325	1094153	DUMAS 1-32	217SRRS	4168	4098 4168	10/31/1973	4	75	--	1580C	3500
27N16E32BCAC	480325	1094153	DUMAS 1-32	217DKOT	4168	3861 3872	10/31/1973	5	75	29	1373E	3260
27N17E19DABC	480455	1093448	HENDERSON 3-19	211VRGL	2353	2093 2353	11/16/1973	1	92	--	555C	3440
27N17E22CCA	480441	1093141	W C NORDEN 1-22	211EGLE	3132	2254 2342	08/03/1971	2	92	--	190R	2710
27N17E22CCA	480441	1093141	W C NORDEN 1-22	211EGLE	3132	2380 2410	08/03/1971	1	140	--	27R	2210
27N17E234	480314	1093116	HENDERSON 2-34	211JDRV	2573	1528 1552	10/07/1972	1	52	--	284R	3340
27N18E10DAC	480629	1092302	READ 3-10	211EGLE	2258	2110 2133	07/23/1972	1	76	--	21R	2200
27N18E11CA	480632	1092216	READ 1-11	211EGLE	2089	1822 1880	06/30/1971	1	82	--	483R	3360
27N19E10	480640	1091540	STATE 1-10	211JDRV	1528	463 472	09/27/1971	1	90	--	145R	3590
27N20E28CB	480354	1090943	USA #12-28	211JDRV	1620	502 600	07/10/1977	1	70	--	134C	3300
27N25E09	480647	1083050	PRESTON BELL 23-9	217TCK	3950	3742 3772	02/05/1971	1	75	--	1686E	3540
27N31E31BA	480329	1074652	FRENCH #31-27-31-2	211GRNR	1858	1795 1858	09/25/1976	1	110	<1	630E	2050
27N35E338BDC	480322	1071337	MCCULLOCH 1-33	211MSBY	2399	2270 2390	08/05/1974	1	185	--	572C	1720
26N02E32BDB	475758	1113032	BANNATYNE4	221SMFT	1771	1726 1771	03/20/1975	1	60	<1	710E	3280
26N14E13ACBD	480050	1095140	1-X RANCH 1-13	211EGLE	1500	1098 1168	01/21/1967	1	75	--	431C	3320
26N14E15	480043	1095429	STATE 15-26-14	211EGLE	1351	1201 1249	12/17/1973	1	35	--	416C	3240
26N14E27A	475910	1095414	SKAALURE 4-27	211EGLE	1229	795 843	07/22/1974	1	119	--	137C	2730
26N14E35AB	475823	1095306	STATE #1-35	211VRGL	1700	884 912	10/26/1973	1	115	--	263C	2990
26N16E14ACC	480043	1093737	US #80-14	211EGLE	1980	1736 1741	11/20/1974	1	60	--	466E	2990
26N16E14ACC	480043	1093737	US #80-14	211EGLE	1980	1678 1683	11/20/1974	2	45	--	436C	2980
26N16E14ACC	480043	1093737	US #80-14	211EGLE	1980	1660 1665	11/20/1974	3	30	--	435C	3000
26N16E14ACC	480043	1093737	US #80-14	211JDRV	1980	978 986	11/21/1974	4	75	<1	192E	3120
26N17E01BB	480242	1092910	WISE OIL CO 3-1	211EGLE	2375	2212 2246	02/02/1977	1	74	--	663C	3510
26N18E03DAC	480210	1092259	US #81-3	211EGLE	2579	2328 2338	11/19/1974	1	75	<1	550E	3190
26N18E18DBA	480032	1092718	WISE OIL CO 86-18	211EGLE	2029	1800 1840	11/04/1974	1	75	--	501C	3140
26N18E18DBA	480032	1092718	WISE OIL CO 86-18	211EGLE	2029	1840 1880	11/04/1974	2	73	--	494C	3090
26N19E17AB	480050	1091804	FED 2-17	211EGLE	2230	2044 2054	12/05/1974	1	--	--	540E	3150
26N20E09DCB	480105	1090911	FED 15-9	211EGLE	1735	1442 1452	11/19/1976	1	73	--	526E	3160
25N01W09CA	475559	1114431	STATE PROF #1	221SMFT	1726	1572 1617	07/21/1979	2	90	--	507R	3130
25N01W17CAC	475501	1114547	BLANCHET 1	221SMFT	1633	1503 1583	09/04/1979	1	60	--	483R	3120
25N07E36CCA	475226	1104641	STATE 1	217BLD	1945	1018 1053	06/25/1971	1	69	--	459C	3040
25N16E01ACC	475711	1093625	SAS 88-1	211EGLE	2285	1899 1912	11/06/1974	3	76	<1	435E	2540
25N18E11ACCC	475613	1092212	O'CONNELL 83-11	211JDRV	1930	896 906	10/24/1974	2	72	--	209C	3220
25N18E11ACCC	475613	1092212	O'CONNELL 83-11	211EGLE	1930	1756 1776	10/24/1974	3	73	--	528C	3090
25N19E288DDB	475338	1091713	SENK US 6-32	211EGLE	1596	1430 1440	12/19/1974	1	79	--	483C	2850
25N19E298DDA	475338	1091825	WISE OIL CO 6-29	211EGLE	1648	1463 1467	10/17/1976	1	43	--	456C	2960
25N20E14ACAA	475530	1090629	14-25-20-R	211JDRV	1925	926 938	08/26/1978	1	75	<1	150E	2780

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUBE	LONG- TUBE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
25N20E16	475519	1090922	STATE #16-25-20	211EGLE	1795	848 922	09/11/1974	1	75	--	254C	2950
25N20E19ADB8	475440	1091135	USA #19-25-20	211JDRV	1682	604 629	/ 19	1	75	3	229E	3220
25N20E34DB	475237	1090755	FEDERAL #34-25-20	211EGLE	1751	1619 1751	08/08/1973	1	80	5	569E	2940
25N20E34DB	475237	1090755	FEDERAL #34-25-20	211JDRV	1751	728 769	08/08/1973	2	60	--	198C	2980
25N21E06CD	475642	1090419	FED #6-25-21	211EGLE	1774	1550 1581	12/06/1973	1	90	1	558E	3050
25N21E25DACB	475328	1085722	USA 25-25-21	211JDRV	1902	739 751	10/08/1974	1	73	--	108C	2770
25N21E31CCAA	475230	1090437	FED 31-25-21	211EGLE	1525	1040 1085	09/05/1974	1	71	<1	312C	2950
25N21E34	475244	1090022	FED-USA #34-25-21	211EGLE	1709	824 841	10/03/1974	1	25	--	434C	2850
24N17E13DBC	475020	1092902	FEDERAL J	211EGLE	1254	648 678	11/03/1978	3	78	--	84C	2790
24N18E17DB8A	475028	1092620	FED-USA #17-24-18	211CRLL	1670	978 1078	11/10/1974	1	45	<1	160E	2720
24N20E12CAAD	475111	1090600	FED 12-24-20	211EGLE	1847	635 705	07/26/1973	1	63	<1	218E	3150
24N21E14BADC	475042	1085938	GULF OIL CORP #1	211EGLE	1741	--	08/09/1969	--	45	--	405C	2550
24N21E30DCAB	474854	1090426	TEXAS GAS EXP 30-0-1	211EGLE	1400	--	03/07/1972	--	89	--	333C	2720
24N30E14	475017	1074944	FED 15 WELL #1	211EGLE	1500	1400 1500	09/06/1972	1	75	--	479C	2250
23N05E11	474550	1110336	HUMPHREY #1	221SWFT	1628	1594 1628	10/10/1971	3	85	--	716E	3360
23N16E03	474724	1093936	TORDIK #41-3	211EGLE	1464	1466 1500	08/18/1973	1	75	<1	725E	2830
23N18E03	474738	1092353	USA 3-23-18	211EGLE	1553	1287 1299	11/05/1974	1	33	--	455E	3030
23N18E16ACBD	474601	1092505	STATE 16-23-18	211EGLE	1551	1274 1300	11/01/1974	1	26	3	333E	2680
23N19E25B80A	474431	1091359	OSBORNSON #2	211EGLE	1980	1605 1628	08/03/1972	1	66	--	352C	2560
23N20E21DBD	474456	1090932	ANDERSON 1	211EGLE	1950	821 831	06/25/1979	1	74	--	272E	3080
23N22E32	474250	1085541	WILLOCAT 32-23-22	211CRLL	1673	1192 1246	12/09/1974	2	15	--	316R	2420
23N23E11AC	474608	1084348	WOLFE 1-11	211EGLE	2000	1598 1630	11/09/1967	2	--	--	756C	3290
23N24E09BCAC	474608	1083911	FARMERS UNION 12X-9	211EGLE	1579	1551 1579	04/29/1968	--	55	--	758C	3300
23N24E09BCAC	474608	1083911	FARMERS UNION 12X-9	217CCK	3768	3718 3768	05/04/1968	3	35	--	1866C	3690
22N06E21AC	473900	1105808	KALANICK21-7	221SWFT	955	940 950	12/16/1973	1	70	<1	476E	3320
22N11E23DD	473835	1101641	STRAND23-16	221SWFT	2391	2381 2391	12/03/1973	1	47	--	888C	3620
22N17E36BD	473810	1092913	HAWKINS #1-36	211EGLE	1577	1272 1374	08/30/1973	2	60	--	226C	2640
22N18E04CBDA	474218	1092534	MANUEL 2-4	211EGLE	1723	1307 1326	07/01/1973	1	91	--	247C	2570
22N18E11CBA	474135	1092302	FEDERAL 1-11	211EGLE	645	590 645	11/10/1972	1	60	--	14R	2740
22N20E33DBAA	473813	1090929	A. PETERSON 1-33	211EGLE	1986	1724 1774	06/20/1973	2	45	--	574C	2960
22N20E36D	473802	1090535	STATE 1-36	211EGLE	750	700 750	08/08/1972	1	61	6	230E	3100
21N09E33DA	473152	1103437	KOTTHOFF 33-34	217MDDY	1470	1295 1470	04/14/1978	1	48	--	542C	4340
21N10E34CBB	473155	1102642	MURPHY 34-12	217MDDY	2425	1351 1360	03/13/1973	1	55	--	344C	3480
21N14E11DAD	473520	1095353	BRONIC	2394	1974 2026	08/08/1971	1	133	<1	--	977E	3680
21N20E05	473719	1091106	PETERSON 1	211EGLE	2045	1482 2045	11/17/1972	2	61	--	803E	3140
21N21E04AA	473741	1090137	SMITH 1-4	211EGLE	1680	775 1680	06/02/1973	1	60	--	303C	3000
21N34E32DBA	473206	1072310	FEDERAL 10-32	221MRSN	5070	4652 4742	09/21/1973	1	142	--	2178R	3280
21N36E36BBD	473224	1070256	STATE 4-36	217DKUT	5155	4270 4276	08/18/1974	1	60	--	1766R	2540
20N09E18CC	472913	1103810	LEHMAN 18-41	217SBR	1762	1520 1570	05/12/1978	1	15	--	429C	4230
20N09E18CC	472913	1103810	LEHMAN 18-41	217MDDY	1762	780 830	05/12/1978	6	15	--	339C	4770
20N10E27DD	472740	1102534	STRAND26-16	217MDDY	1430	1360 1430	03/02/1973	2	40	<1	249E	3740
20N11E35BDB8	472656	1101746	STRAND 35-5	217SBR	2210	2175 2210	11/28/1973	1	55	--	796C	3720
20N12E33B8	472704	1101308	STRAND 33-4	217MDDY	1670	1610 1670	02/26/1973	1	75	--	432C	3390
20N20E04CABD	473152	1091037	BUTCHER 1	211EGLE	1926	1588 1926	08/20/1972	1	75	--	676C	3380
20N34E16CD	472913	1072335	STATE 14-16	211JDRV	5070	1800 1875	06/07/1974	2	122	--	496C	2490

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
20N34E16CD	472913	1072335	STATE 14-16	217DKOT	5070	4488 4500	06/12/1974	4	36	--	1733R	2620
20N34E16CD	472913	1072335	STATE 14-16	217LKOT	5070	4720 4760	06/12/1974	3	35	--	2130E	3270
20N51E03CC	473101	1051240	NPRR #3-1	217MDY	4800	4733 4800	10/12/1968	1	65	<1	1780E	1920
19N32E34AD8	472208	1073419	STATE 8-36	211EGLE	2461	2028 2461	12/10/1973	1	105	<1	548E	2070
19N32E36AD8	472208	1073419	STATE 8-36	217TCCK	4500	4453 4500	12/15/1973	3	30	--	2132C	3300
18N20E34CC	471630	1090943	LANDRU 5-34	217SCCK	1788	1771 1788	04/10/1972	1	44	--	693C	3880
18N43E02DD	472031	1061138	FRADY 44-2	217LKOT	5002	4952 5002	10/19/1957	1	60	--	2115C	2880
17N33E13DAC	471406	1072613	LL&E CO FED 13-4 #1	211EGLE	3086	2745 3086	05/12/1973	3	89	--	718E	2060
16N28E29DAC	470701	1081124	FEDERAL 9-29	217FCCK	934	884 934	10/07/1977	1	60	--	364C	2170
16N28E29DAC	470701	1081124	FEDERAL 9-29	217SCCK	1165	1115 1165	10/08/1977	2	35	--	442C	2960
15N28E01AC	470531	1080640	MANUEL 1	221MRSN	2220	2200 2220	11/23/1979	1	75	--	948C	2930
15N28E01DB	470520	1080640	UCL 1	221MRSN	2155	2140 2155	10/13/1979	1	75	--	920C	3010
15N30E16CCC	470314	1075559	STATEB-8	217SCCK	1175	1099 1175	10/24/1967	1	67	--	444C	2860
14N34E11DB	465852	1072248	BN #33-11	211JDRV	6032	1720 1740	12/21/1977	1	150	--	447C	2800
13N23E11DAAC	465414	1084540	FEDERAL8-11	221SWFT	443	345 443	05/24/1978	1	45	--	81C	4020
13N26E12AA	465436	1082132	FEDERAL1	217FCCK	1285	1200 1285	03/10/1974	1	80	--	548C	3130
12N25E29DC	464558	1083546	KIMMEL 34-29D	217SCCK	2525	1706 1740	04/09/1975	1	75	--	679C	3630
12N31E07CC	464847	1075230	WILKINSON 1	217TCCK	3656	3610 3656	03/12/1978	2	30	--	1627C	2920
12N33E32CB	464456	1073622	COFFEE #13-32	224PIPR	5297	5214 5297	08/10/1978	1	150	--	2313C	3440
12N40E07CC	464814	1064431	FITZGERLD 1-7	221SWFT	4330	3225 3237	02/02/1980	2	180	--	1288C	2920
11N26E14DD	464232	1082422	CARDINAL FEDERAL1	217TCCK	3846	2744 2824	01/03/1979	1	75	--	1198C	3430
11N27E29CCA	464055	1082136	BN JIM CREEK 29-13	217TCCK	2800	2746 2800	09/05/1971	1	123	--	1219C	3480
11N27E33ACCD	464023	1081955	BN INC 33-14	217TCCK	2875	2795 2875	01/24/1972	1	76	--	1233C	3370
11N28E20	464204	1081359	HEATLY 1	224PIPR	3220	3149 3220	09/13/1976	1	75	--	1387R	3250
11N31E31	464037	1075208	--	217TCCK	4640	3353 3373	10/04/1960	--	75	--	1523R	3120
11N61E20BD	464142	1040426	BALLARD 22-20	224NSRN	8783	8763 8783	07/05/1980	1	136	--	3876C	3400
10N19E07AD	463849	1092252	WEGNER 3-7	217LKOT	6555	6490 6555	09/16/1976	1	61	--	2450E	4930
10N23E35DC	463437	1084605	STATE 34-36	217SCCK	4600	4563 4600	02/02/1980	4	75	--	1705R	3140
10N28E048D	463936	1081247	FLO #4-1	224PIPR	4600	4563 4600	02/03/1980	4	75	--	1792E	3330
10N29E18	463744	1080734	GOFFENA 18-3	217TCCK	3276	3205 3276	10/25/1968	1	195	--	1452C	--
10N29E18BDC	463752	1080744	GOFFENA 18-6	217TCCK	3332	3262 3332	07/20/1968	1	255	--	1468E	3210
10N31E20CCDB	463654	1075118	BAKKEN 20-13	217TCCK	4125	4041 4125	12/26/1967	1	130	319	1471C	3240
10N46E29BDB	463542	1055805	NPRR 3-M	217MDY	5370	4753 4930	08/29/1968	1	95	--	1842E	3170
09N23E21CA	463314	1085006	GOV-KRANZLER 1	217TCCK	3100	3081 3100	01/02/1964	1	42	5	1716E	2040
09N23E258D	463058	1084623	VAN ARSDALE-HALL 22	217MDY	3904	3256 3306	08/09/1979	1	115	--	1537C	4120
09N24E34CCC	462942	1084146	GOV TEMPLE 1	217TCCK	4353	4343 4353	09/02/1964	4	125	--	430R	1370
09N42E13BA	463224	1062310	SWARTZ 1	211JDRV	4768	1865 1900	02/11/1974	3	57	--	2012E	3940
09N43E318D	462938	1062158	BARLEY #22-31-B	211JDRV	1855	1840 1855	11/06/1978	1	45	--	683R	2630
09N53E09AA	463314	1050307	NPRR1-14	217MDY	4998	4910 4998	10/17/1969	1	50	4	1814E	2080
09N57E218DCA	463112	1043325	WENZ #1	211JDRV	1972	1949 1972	02/14/1972	1	60	--	648E	2330
09N57E218DCA	463112	1043325	WENZ #1	211JDRV	2225	2034 2225	02/15/1972	2	22	--	661C	2280
08N24E02	462913	1084106	GOV HALL	217TCCK	4390	4350 4390	06/16/1964	1	90	--	2032E	3940
08N25E09AAA	462841	1083650	MOODY 41Y-8	217FCCK	5305	5201 5305	01/06/1979	1	135	--	2130R	3260
08N43E19CA	462555	1062349	BN 23-19	211JDRV	1600	1580 1600	10/31/1978	2	60	--	682C	2660

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
08N43E19CA	462555	1062349	BN 23-19	211JDRV	1690	1580 1600	10/31/1978	2	60	--	873R	3100
08N44E35AA	462436	1061037	NPRR 1-M	217LKOT	5147	5074 5147	07/24/1978	1	90	14	2195E	2650
08N56E15CCAA	462642	1044247	SHELL #1	211JDRV	1978	1943 1978	02/26/1972	1	35	--	679C	2390
08N56E36DD8B	462414	1043932	STATE 44-36	211JDRV	2750	1934 1950	10/11/1972	1	47	<1	678E	2400
07N22E27AC	461955	1085714	A JENSEN 1	217LKOT	--	3072 3103	08/21/1960	2	50	--	1612R	4230
07N22E27AC	461955	1085714	A JENSEN 1	217MDDY	--	2445 2533	08/17/1960	1	30	--	846R	3090
07N26E03AB	462356	1082714	BN 3-7-26	211FXHL	1438	1272 1438	12/18/1979	1	118	--	458C	3240
06N16E31CC	461319	1094644	COONEY 31-13	211JDRV	3881	3840 3881	07/12/1960	1	60	--	1526R	4380
06N18E34C	461323	1092732	STATE #9-34	211BGEK	1758	1656 1758	10/30/1974	1	22	3	789E	4180
06N24E15AB	461644	1084211	SPIDEL 1	211JDRV	2716	2665 2716	09/11/1979	1	70	--	1012C	3430
06N27E11	461717	1081832	BULL MOUNTAIN 1	211JDRV	3806	3776 3806	11/23/1979	1	75	--	1305C	3130
06N29E01	461804	1080213	BN 1-6-29	211JDRV	3040	2925 3040	12/30/1979	1	58	--	1095C	2960
06N30E27DA	461420	1075649	WALKER 1	224PIPR	6687	6605 6687	12/03/1979	4	91	--	2941C	3590
06N30E27DA	461420	1075649	WALKER 1	211CLRD	3590	3500 3590	11/19/1979	1	89	--	1352C	3030
06N45E32	461348	1060712	SONAL 1	217MDDY	5175	5110 5175	12/16/1979	2	72	--	1791E	1930
06N52E158B	461648	1051247	NPRR 1-12	217MDDY	4704	4580 4704	10/05/1969	1	50	--	1703C	2040
06N55E318B	461410	1045248	NP RR 1-11	217MDDY	4970	4845 4970	09/27/1969	1	50	--	1728R	2200
05N18E11ABAC	461211	1092548	TRACY 1-11	211FNR	3420	1783 1798	06/06/1974	2	73	--	858C	4580
05N19E14ABDD	461110	1091814	SCHANZ 2-14	217TCK	2478	2433 2478	08/29/1979	1	35	--	1236C	4410
05N27E05AB	461308	1082205	PFSITER 1	217TCK	7660	6821 6896	10/ /1979	1	--	--	1920R	1520
05N43E35CC	460817	1061908	1 BOATMAN'S BANK	217MDDY	5081	5020 5081	11/17/1979	2	25	--	1785R	1960
05N45E16AC	461120	1060549	CHEVRON-SONAT 1 ST.	211JDRV	5652	1958 2071	08/22/1979	1	--	--	764R	2600
05N45E34	460838	1060441	BOATMAN BANK 1	217MDDY	5081	5020 5081	11/17/1979	2	67	--	1784C	1960
05N52E23CB	461016	1051128	NPRR 1-10	217MDDY	4608	4543 4608	09/16/1969	1	50	<1	1625E	1860
04N18E13AA	460604	1092526	WEPPLER 41-13	211BGEK	1847	1834 1847	09/12/1979	1	75	--	877C	4410
04N19E03ACDB	460734	1092031	B.N. 32-3-4-19	217FCK	2118	2078 2118	09/25/1973	2	80	<1	1081E	4490
04N20E18BA	460604	1091702	FEDERAL 1-18	217TCK	2469	2310 2320	07/12/1976	2	75	<1	1014E	4190
04N20E18BA	460604	1091702	FEDERAL 1-18	211FNR	2469	1102 1133	07/13/1976	4	75	--	556C	4340
04N20E19ACDB	460455	1091641	GPE32-19-4-20-8N	217TCK	2880	2850 2880	09/16/1973	1	75	--	1136C	4380
04N20E298BD	460416	1091601	BRICKLEY29-4-20	217LKOT	2870	2857 2870	04/08/1974	1	68	--	1140C	4450
04N20E298DB	460408	1091554	BRICKLEY 29-4-20	211FNR	1720	1682 1720	04/01/1974	1	--	--	635C	4450
04N21E03DABC	460723	1090538	BN 3-4-21	217TCK	2563	2529 2563	12/27/1974	2	72	--	1300C	4370
04N45E13AA	460622	1060405	SONAT STATE 1	217MDDY	5293	5237 5293	10/03/1979	1	59	--	1871C	2040
04N46E298B	460437	1060238	NPRRNP20	217MDDY	5130	5067 5130	09/18/1968	1	95	8	1842E	2030
03N12E01CB	460217	1101124	SONAT-CIG-VAN CLEAVE	211EGLE	10448	8343 8393	02/03/1980	5	195	--	2984E	4430
03N21E098B	460141	1090734	BRADBROOK 1	217MRY	1152	1100 1152	01/08/1975	1	148	--	684C	4500
03N22E236C	455743	1085620	MONTANA STATE23-36	211FNR	2578	2563 2578	12/20/1971	2	33	<1	1210E	4430
03N34E36CA	455740	1072613	MISSION CREEK 1	211SNN	2450	2308 2450	09/14/1973	1	122	--	769C	2370
03N41E130DB	460025	1063358	BN1-VASSAU1	211SNN	3162	3074 3162	10/03/1972	2	75	--	798E	1970
03N44E13DD	460029	1061102	NPRR NP19	217MDDY	5336	5267 5336	10/05/1968	1	95	<1	1775E	1920
03N55E17CCAA	460025	1045458	NORTH TIMBER CRK 2-1	211JDRV	1636	1585 1636	06/24/1972	1	90	--	384C	2300
03N55E17CCAA	460025	1045458	NORTH TIMBER CRK 2-1	211EGLE	2199	2173 2199	06/25/1972	1	92	<1	640E	2300
03N56E298BD	455913	1044800	NORTH TIMBER CRK	211JDRV	1666	1633 1666	06/18/1972	1	150	--	368C	2390
02N13E36DBAC	455241	1100256	BIG TIMBER STATE 1	211FNR	10070	7235 7247	01/26/1976	3	75	3	3090E	4420
02N20E04CA	455656	1091446	KIRCHNER 1	211FNR	2894	2832 2862	10/17/1960	1	185	--	1427C	4490

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
02N20E17AAC	455530	1091529	KIRCHNER 1X-17	211BGEK	3000	2900 3000	07/16/1973	2	149	<1	1506E	4640
02N23E31CD	455216	1085450	LAZY KT RCH 14-31	211FRNR	2810	2768 2810	09/11/1979	1	35	--	1369C	4440
02N30E03CCCA	455638	1075859	BATTS #1	211EGLE	1741	1610 1741	08/07/1974	1	--	--	819C	3280
02N43E18AAC	455548	1062526	GARFIELD 41-18	211SNNN	2884	2812 2828	03/30/1973	1	47	4	738E	1840
02N45E34DD	455234	1060632	GOV 1	211JDRV	2205	2174 2205	09/23/1959	3	30	--	719R	2460
02N45E34DD	455234	1060632	GOV 1	211SNNN	2808	2773 2808	09/25/1959	2	120	--	698R	1820
02N55E13CD	455508	1045006	TOOKE-NPRR 1-2	217MDY	4758	4658 4758	09/14/1969	1	70	<1	1460E	2050
01N22E118B	455111	1085740	EASTLICK 4-11-1-22	217MMRY	2841	2750 2841	06/21/1979	2	75	--	1400C	4800
01N22E118B	455111	1085740	EASTLICK 4-11-1-22	217MMRY	4091	2864 3012	06/21/1979	5	90	--	1575C	4400
01N22E118B	455111	1085740	EASTLICK 4-11-1-22	217DKOT	4091	3574 3589	06/20/1979	4	75	--	1654E	4260
01N22E118B	455111	1085740	EASTLICK 4-11-1-22	217LKOT	4091	3861 3900	06/20/1979	3	75	--	1865E	4460
01N22E228C	454912	1085855	LEUTHOLD 12-22	211EGLE	4100	825 890	11/10/1979	1	40	--	190C	3620
01N22E228C	454912	1085855	LEUTHOLD 12-22	211FRNR	4100	2703 2795	11/20/1979	2	40	--	1236C	4160
01N35E04AD	455150	1072150	KENDRICK1-8	211SNNN	2500	2418 2500	07/11/1975	1	60	<1	858E	2840
01N37E12C8C	455038	1070412	HOPE1	217DKOT	5875	5820 5875	12/11/1971	2	53	<1	1962E	2280
01N45E04B8DAC	455212	1060817	STANLEY 1-4	211SNNN	2930	2830 2930	12/17/1966	1	--	--	730C	1860
01N45E09DACC	455104	1060752	BNMR44-9	211SNNN	2923	2812 2830	11/08/1972	1	45	--	737C	1830
01N45E218BD	454948	1060835	BNMR 11-21	211JDRV	3196	2496 2512	09/12/1972	2	75	--	769R	2480
01N47E22AC	454847	1055447	NPRR 1-29	211JDRV	2548	2472 2548	08/31/1967	1	60	--	771C	2580
01N49E27AD	454847	1053636	BIRD 1	217MDY	5469	5442 5469	04/21/1972	1	68	--	1804C	2120
01N49E33ABCC	454804	1053820	AL-AQUIT-CIGE BN-1	211JDRV	2386	2371 2386	03/10/1976	3	71	--	633C	2350
01N54E19	454926	1050318	MILES 19-31	211SNNN	1892	1800 1892	09/29/1979	1	100	--	529C	2200
01S17E22D	454341	1093625	MAYO #1-22	211VRGL	4160	2750 2810	03/01/1974	1	90	<1	1176E	4170
01S17E25B8CA	454319	1093448	BARE 1-25	211FRNR	4150	4056 4150	09/16/1973	1	60	--	2044C	4520
01S43E01CC	454634	1062248	N.P.3	217MDY	6020	5648 5666	08/16/1968	3	64	<1	1934E	2000
01S43E34DD8D	454204	1062422	STEELE GOV #1-5	217MDY	5913	5785 5913	08/10/1968	1	95	--	1775C	1630
01S44E16	454507	1061836	MCQUISITION	211JDRV	2205	2195 2205	06/08/1973	1	92	--	792C	2540
01S47E35CC	454207	1055425	NPRR 35-10	217MDY	5899	5769 5899	08/04/1968	1	95	2	1865E	2010
01S49E0208BD	454652	1053828	ALLEN 1-2	211SNNN	2905	2840 2848	07/21/1976	1	89	<1	700E	1930
01S49E23DAD8	454406	1053810	BN 1-23	211SNNN	3205	3080 3205	11/23/1975	1	62	--	637C	1800
01S49E268	454334	1053900	LOOKWOOD8-26	211SNNN	3150	2950 3150	10/21/1975	2	110	--	724C	2090
01S50E178DD	454511	1053455	PETROQUEST-MAC 1 DV	211SNNN	3175	3098 3108	02/26/1978	1	65	--	64R	490
01S50E19CB	454406	1053632	JANSSEN1	211SNNN	3090	2910 3090	07/05/1974	1	135	--	750C	2110
01S50E19CC	454352	1053632	JANSSEN1	211SNNN	3106	3033 3048	12/30/1976	1	65	--	397C	1220
01S50E19CC	454352	1053632	JANSSEN1	211SNNN	3106	3049 3064	12/31/1976	2	40	--	583C	1630
01S50E31AB	454247	1053600	JANSSEN3	211SNNN	3253	3164 3176	05/15/1977	1	70	<1	445E	1340
01S51E13CCDB	454446	1052255	KIOSSE 13-1 NP	217DKOT	5217	5190 5217	01/25/1965	1	79	--	1867C	2200
01S51E13CCDB	454446	1052255	KIOSSE 13-1 NP	217FUSN	5265	5242 5265	01/27/1965	2	75	--	1968R	2380
01S51E13CCDB	454446	1052255	KIOSSE 13-1 NP	217LKOT	5313	5142 5160	01/30/1965	1	98	--	2033E	2660
01S52E13AA	454522	1051428	NPRR 41-13	217DKOT	5329	5286 5329	03/15/1968	2	65	--	1866C	2290
01S52E27DC	454301	1051720	NPRR 1-P	217MDY	5080	4910 5080	09/11/1968	1	95	--	1666C	2150
01S54E068B	454706	1050647	ORESTAD-ODDY 6-11	211PRKM	1440	1299 1440	10/28/1979	1	70	--	735E	4230
02S12E01AAA	454146	1101041	BN 1	217MDY	3740	3726 3740	01/08/1971	2	121	--	1430C	4540
02S17E22C8D	453835	1093712	CNW SUPTST ENSIGN BU	211EGLE	2470	2400 2470	10/30/1970	2	75	--	875E	4290
02S42E03AA	454156	1063144	NPRR4	217MDY	6051	6012 6051	08/29/1968	1	100	<1	1982E	2050

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI-TUDE	LONG-ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	THANS-MISS-IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
02847E238B	453911	1055422	NPRR11	217MDDY	6130	6017 6130	07/25/1968	1	95	4	1916E	2040
02850E0608CB	454124	1053607	BRYAN6-1	2118NNN	3220	2827 3220	09/03/1977	1	75	--	532E	1900
02850E15AA	454008	1053159	NPR 5-15-1 NP	2170KOT	5315	5493 5515	12/17/1965	1	93	--	1928C	2220
03821E09	453513	1090820	BRADBROOK #1	2118GK	1152	1100 1152	01/08/1975	1	121	--	684C	4500
03845E07CCB	453455	1061406	N.P.7	2170KOT	6492	6143 6165	08/02/1968	2	95	--	2268E	2240
03846E05CC0B	453538	1060524	GOV #1	211JDRV	3364	2887 2930	02/20/1973	1	73	--	884C	2480
03846E05CC0B	453538	1060524	GOV #1	211JDRV	3679	2862 2880	02/23/1973	3	76	--	848E	2500
03849E33CC	453126	1054156	NPRR 16	217MDDY	5932	5738 5932	08/13/1968	1	95	<1	1828E	2020
03853E028B	453647	1050911	PAINT PONY-COCHRAN 1	211EGLE	4880	2058 2443	11/08/1972	2	75	<1	554E	2330
03856E120D	453524	1044359	HEADWATERS 1	217MDDY	3593	3500 3593	10/19/1972	1	74	--	962E	2160
04817E23DAC	452808	1093517	JOHNSON23-1	217GRBL	5125	5102 5125	09/22/1976	1	75	--	2064C	4440
04820E11AB	453018	1091312	ERG #1 ROUANE	211VRGL	--	2924 2934	--	1	40	--	38R	1770
04820E11AB	453018	1091312	ERG #1 ROUANE	211PEAY	--	4939 4975	--	3	--	--	2104R	4510
04820E11AB	453018	1091312	ERG #1 ROUANE	217MRY	--	5086 5098	--	4	--	--	2120R	4400
04820E14	452906	1091323	ROUANE #1	211FRNR	4975	4939 4975	07/09/1978	3	68	--	2131E	4570
04821E068BCA	453112	1091124	KRUEGER 1-6	211FRNR	4348	4307 4348	12/01/1973	1	31	6	1793E	4540
04821E11DA	452956	1090520	CLYDE FINLEY ET UX 1	217GRBL	5069	4832 4846	10/28/1979	1	40	--	1874C	3330
04821E128DAB	453022	1090441	ANDERSON1	221MRSN	4660	4580 4660	08/08/1978	2	71	--	1943C	4110
04822E05CC0B	453036	1090228	DESCHAEKMAKER1-5	217MRY	--	2916 2961	02/07/1974	3	128	--	1371C	4270
04823E02ABAA	453119	1085053	OLSEN 1	217LKOT	1210	1045 1210	11/20/1960	1	39	--	566E	4230
04845E258B	452743	1060752	NPRR9	217MDDY	6570	6080 6105	07/07/1968	2	95	1	2247E	2320
04846E13CD	452844	1060036	TRUSLER 1-13	217MDDY	6402	6323 6402	11/13/1971	3	75	--	1870R	2160
04850E248B	451814	1065729	CONNER LINVILLE1	217MDDY	5457	5322 5457	07/15/1968	1	95	<1	1752E	2100
0539E360D	452118	1065132	APACHE-TRIBAL 1-36	217MDDY	7467	7376 7467	05/17/1971	1	65	--	1773R	1280
05859E17CC	452335	1042808	GOV 1	217MDDY	3330	2462 2493	06/09/1969	1	28	--	504R	2160
06818E03CADC	452010	1093014	SNYDER 1	217LKOT	3358	3300 3358	06/10/1959	1	79	<1	1337E	4870
06821E31C8DA	451540	1091131	ALBERT 1	217PRYR	7480	7370 7418	05/02/1972	3	122	--	2720C	4100
06839E20AD	451814	1065729	FURGESON1	217LKOT	7250	7056 7114	10/31/1968	1	60	74	2520E	2750
06845E08AA	452006	1061428	STAG ROCK GOV'T #1	217MDDY	7404	7216 7404	07/16/1968	5	90	2	1886E	1240
06845E10BA	452006	1061240	ANSCHUTZ CORP 1-10	217MDDY	7130	7075 7130	02/09/1969	1	60	--	32R	3390
06852E03CC	452006	1052049	FED #14-3	217MDDY	5229	5067 5229	06/14/1969	1	--	--	1620E	1950
06852E07CA	451926	1052404	NASH1	2170KOT	5490	5455 5490	04/01/1965	1	116	3	1967E	2400
06852E248B	451811	1051825	WAITE 11-24	217MDDY	5033	4926 5033	10/21/1970	1	76	3	1609E	2030
06853E27CC8D	451655	1051330	NISLEY 14-27	217MDDY	5000	4844 5000	10/26/1970	1	77	<1	1475E	1960
06857E35AD	451616	1044142	FEDERAL T.L.1	2170KOT	2751	2434 2450	06/22/1968	2	98	9	615E	2700
06860E09DC	451912	1042230	AMARILLO-FED #1-9	217MDDY	2985	2905 2985	08/23/1968	1	65	--	523R	2160
07821E028C	451504	1090712	FEDERAL 5-2	211CLGG	3376	2420 2475	09/03/1974	7	70	--	883E	3920
07821E108D0B	451406	1090759	SCHIEDELER 6-10	211CLGG	2366	2185 2366	09/23/1974	2	105	--	753C	3870
07821E108D0B	451406	1090759	SCHIEDELER 6-10	211EGLE	2710	2620 2710	09/25/1974	4	75	--	943E	3870
07821E108D0B	451406	1090759	SCHIEDELER 6-10	211FRNR	4895	4705 4895	10/10/1974	5	105	<1	758E	1350
07821E11	451402	1090647	MT IND #8-11	217LKOT	5740	5602 5632	09/15/1978	2	67	--	2466C	4180
07821E118B	451424	1090712	CHAPMAN 4-11	217GRBL	5298	5238 5298	08/15/1976	1	45	<1	980E	1230
07821E11DABC	451355	1090625	BNF #9-11	211VRGL	2850	2370 2850	09/14/1974	5	140	--	812E	3670
07822E09CCA	451406	1090228	ROMANO 13-9	211FRNR	--	5250 5292	09/15/1978	1	75	--	228R	790
07822E138BD	451344	1085855	GOLDEN DOME 2	211LNPN	2630	1495 1505	02/27/1971	1	137	<1	550E	3740

Table 1. -- Selected drill-stem-test data -- Continued

LOCAL NUMBER	LATI- TUDE	LONG- ITUDE	WELL NAME	FORMATION	WELL DEPTH	TESTED INTERVAL	DATE TESTED	TEST NO.	FLOW PERIOD	TRANS- MISS- IVITY	SHUT-IN PRESSURE	ALTITUDE OF WATER SURFACE
07S22E168C	451337	1090235	STATES-16-7-22	217GR8L	6291	6259 6291	04/02/1977	2	75	--	2509C	3470
07S22E168C	451330	1090430	HARES #A-1	211FRNR	4799	4739 4799	03/20/1976	3	74	--	1631C	3280
07S22E18AB0B	451348	1090419	SMITH #1	217GR8L	6195	5886 5900	02/17/1954	7	90	--	2164C	3140
07S22E22ACA	451207	1090040	RED LUDGE NO. 7-22	211FRNR	6354	4805 487	05/31/1977	1	70	--	416R	40
07S23E27B0B	451153	1085353	LOYNING 6-27	211FRNR	3932	2100 2148	09/12/1976	3	42	--	914E	3890
07S52E28DC	451135	1052118	GOV-HUBER #1	217MDDY	5630	5091 5118	06/01/1968	3	95	--	1633R	1990
07S53E11CC	451420	1051211	FED #4-11	217MDDY	5100	4910 5100	03/28/1968	1	125	--	1493C	2060
07S59E02BA	451522	1042732	GOV 1-2	217MDDY	2948	1810 1842	07/16/1968	1	90	--	206R	2140
08S42E23	450737	1063304	ELDER 1-23	217MDDY	7965	7940 7965	11/21/1979	1	140	--	3448C	3940
08S46E19DC	450708	1060744	BALES 34-19	211PRKM	4661	4162 4212	12/31/1979	1	--	--	1100R	2090
08S49E24CB	450723	1054030	FED-ABKO #1	217MDDY	6531	6435 6531	10/08/1970	1	72	<1	1892E	1440
08S50E20AA	450708	1053705	BIG SKY GOV #1-20	217MDDY	6645	6542 6645	12/07/1971	1	38	4	1780E	1490
08S51E34DA	450542	1052704	BFO FEDERAL 34-9	217MDDY	5738	5670 5738	01/30/1971	1	69	<1	1650E	1770
08S51E35BA	450607	1052624	PHILLIPS-FED #35-3	217MDDY	5701	5641 5701	08/15/1971	1	135	--	1553E	1560
08S52E168B0B	450846	1052150	STATE 11-16	217MDDY	5371	5299 5371	10/10/1970	1	74	<1	1728E	2160
08S52E34CA	450542	1052020	FORTNER 1-34	217MDDY	5144	5004 5144	02/25/1971	1	50	<1	1590E	1990
08S53E11DD	450911	1051110	SANBURN RANCH 11-16C	217MDDY	4710	4618 4710	11/18/1976	1	75	63	1324E	1920
08S54E10AD	450932	1050459	FED #42-10	217MDDY	4874	4724 4874	08/30/1968	1	65	<1	1158E	1820
08S54E10CA	450918	1050535	FED #23-10	217MDDY	4726	4578 4726	03/01/1970	1	95	2	944E	1320
08S54E15CD	450813	1050535	GOV # 24-15	217MDDY	4730	4580 4730	12/02/1967	1	35	--	1141C	1880
08S54E29AD	450658	1050723	FED 2	217MDDY	4698	4549 4698	09/27/1967	1	98	--	1237R	2000
08S54E33AB	450618	1050629	FED PROVINSE #33-2	217MDDY	4606	4471 4606	11/15/1967	1	60	7	1059E	1750
08S22E16ADB	450314	1090141	STATE 1-16	217LKOT	8829	8806 8829	08/30/1974	1	75	--	3064C	2540
08S39E16CACB	450231	1065653	STATE 1	211SNMN	5706	5686 5706	02/17/1965	1	66	--	2130E	3370
08S51E25AA	450141	1052429	FED-MILLER #1-25	217MDDY	5619	5404 5619	12/16/1969	1	70	<1	1650E	1860
08S52E04AD	450502	1052053	WOLF-FORTNER 1-4	217MDDY	5110	4984 5110	07/19/1972	1	50	2	1570E	1950
08S52E06AADA	450513	1052313	GARY 41-6	217MDDY	5392	--	10/02/1970	--	72	<1	1613E	1950
08S52E21AA	450255	1052053	EATON 1-21	217MDDY	5111	5010 5111	03/10/1971	1	35	388	1582C	1960
08S52E35AACB	450047	1051829	FED #1-35	217MDDY	5238	5146 5238	04/06/1968	1	135	<1	1555E	2020
08S53E14AA	450336	1051102	FED CULVER #1	217MDDY	4500	4380 4412	11/01/1968	1	85	<1	828E	1080
08S53E23B0	450228	1051138	KIETH POWELL 1-23	217LKOT	4825	4743 4751	03/22/1968	1	105	<1	1615E	2510
08S53E25AD	450130	1050947	PETTERBONE #25-8	217MDDY	4322	4180 4322	02/15/1970	2	65	--	494C	550
08S53E32AA	450050	1051442	GOV ZYSK 41-32	217MDDY	4717	4580 4717	03/28/1969	1	35	--	1239E	1950
08S53E33AB	450050	1051348	GOV T ZY8K31-33	217DKOT	5004	4914 5004	02/10/1968	3	89	--	1635C	2530
08S54E01DB	450454	1050249	WEBB-MALLEY 1-10	217MDDY	4620	4480 4620	06/07/1977	1	95	<1	363E	560
08S54E02CA	450455	1050419	MCCUT-WILLIAMS 2-11	217MDDY	4549	4390 4549	02/20/1970	1	65	<1	1000E	1850
08S54E02DB	450455	1050401	LANNING 2-10	217MDDY	4450	4360 4450	08/05/1971	1	30	31	742E	1240
08S54E07BC	450416	1050929	USA #7-1	217MDDY	4696	4657 4696	09/28/1967	1	91	5	1170E	1920
08S54E09B0	450416	1050647	TANNER #9-6 TWIN	217MDDY	4613	4503 4613	06/08/1970	1	95	--	652C	910
08S54E30BA	450144	1050911	USA-BARUNCH-F08 30-3	217MDDY	4316	4178 4316	02/10/1970	1	65	--	459C	480
08S56E088C	450412	1045338	NIXON 12-8	217MDDY	2698	2570 2698	10/09/1976	1	75	<1	514E	2440
08S56E09DCAB	450350	1045147	FEDERAL 9-16	217MDDY	2290	2172 2290	04/02/1974	1	--	--	545E	2910