

Computer Inventoried

FORMATION LOG

WENDELL G. JOHNS

H. L. Moore #1 Hoener
NE/NE/NE, 26-26S-13E
Irratt County, Kansas
Elevation: 1942 derrick floor
1944 rotary bushing

8 5/8" casing 546'
5 1/2" casing 4358'
Comm: 5/30/53
Comp:

Note: All measurements are from the top of the rotary bushing which is 2' above the derrick floor.

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
0 - 210	Sand	Drillers log 0 - 3000
210 - 246	Red beds with limestone streaks	
246 - 805	Red beds and shale	
805 - 828	Anhydrite	Stone Corral (electric log)
828 - 1525	Shale and shells	
1525 - 1620	Salt	
1620 - 1750	Shale	
1750 - 1755	Limestone	
1755 - 1900	Shale and limestone	
1900 - 2025	Broken limestone	
2025 - 2115	Limestone and shale	
2115 - 2245	Shale and limestone	
2245 - 2450	Limestone and shale	
2450 - 2680	Shale and limestone	
2680 - 2830	Limestone and shale	
2830 - 2975	Shale	Top Tarkio 2910 (electric log)
2975 - 3000	Shale and limestone	
3000 - 3073	Limestone, brown to gray dense to sub-crystalline, streaks, red-brown shale.	Sample log 3000 to T.D.
3073 - 3080	Shale, red-brown	
3080 - 3083	Limestone, tan to white sub-crystalline	
3083 - 3089	Shale, as above	
3089 - 3103	Limestone, as above	
3103 - 3129	Shale, gray and maroon, some sand streaks, gray, sub-medium, angular, silty, micaceous.	
3129 - 3138	Limestone, gray to green-gray, dense	
3138 - 3147	Shale, gray	
3147 - 3152	Limestone, brown, finely crystalline, fossiliferous, some porosity	No show
3152 - 3160	Limestone, as above, more fossils, less porosity	
3160 - 3170	Limestone, as above, porous	No show
3170 - 3180	Shale, gray and brown	
3180 - 3186	Limestone, as above, less fossils	
3186 - 3216	Shale, gray, and sand gray, fine, silty, micaceous	Severy
3216 - 3224	Limestone, gray, crystalline to dense, fossiliferous	Top Topeka 3216
3224 - 3248	Limestone, tan, sacrose to finely crystalline, porous	No show
3248 - 3277	Limestone, as above, white, some fossils, or oolites, trace gray opaque chert, some porosity.	No show

(2) Formation log; Moore #1 Hoener

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3277 - 3296	Limestone, white to gray, finely crystalline	
3296 - 3302	Limestone, gray to brown, finely crystalline, some vugular porosity.	No show
3302 - 3310	Limestone, gray to tan dense	
3310 - 3314	Limestone, as above, some vugular porosity.	No show
3314 - 3320	Limestone, as above, no porosity, some chert, white, vitreous	
3320 - 3327	Limestone, as above, some porosity	No show
3327 - 3334	Limestone, gray to tan, sub-crystalline	
3334 - 3337	Shale, gray, brown and green	
3337 - 3353	Limestone, buff, oolitic and oolitic, porous from 3337 - 42.	No show
3353 - 3356	Shale, green and brown	
3356 - 3365	Limestone, white, dense	
3365 - 3368	Limestone, as above, gray to light buff, finely crystalline, oolitic, oolitic and vugular porosity	No show
3368 - 3400	Limestone, as above, very little, if any, porosity	
3400 - 3410	Limestone, white to gray, sub-crystalline to chalky, possible streaks of porosity	No show
3410 - 3413	Shale, gray	
3413 - 3421	Limestone, as above, porosity from 3413-16.	No show
3421 - 3428	Limestone, gray to tan, dense to sub-crystalline, chert, gray opaque	
3428 - 3434	Limestone and chert as above, some oolitic porosity	No show
3434 - 3461	Limestone, light gray dense, some porosity 3440-50	No show
3461 - 3463	Shale, gray	
3463 - 3470	Limestone, tan, crystalline, some vugular porosity	No show
3470 - 3472	Shale, gray	
3472 - 3500	Limestone, as above, possible streaks of porosity	No show
3500 - 3510	Limestone, as above, trace oolites	
3510 - 3525	Limestone, as above, trace gray opaque chert.	
3525 - 3541	Limestone, tan to brown, crystalline to sucrose, good vugular porosity	No show
3541 - 3547	Limestone, light tan dense to finely crystalline	
3547 - 3550	Shale, dark gray	
3550 - 3567	Limestone, tan, finely crystalline to sucrose, possibly some porosity from 3555 - 60.	
3567 - 3573	Shale, brown-black, soft	Heebner
3573 - 3577	Limestone, dark dirty, brown to gray, dense	Leavenworth
3577 - 3584	Shale, gray and gray-green, trace brown silty shale.	Snyderville
3584 - 3598	Limestone, light tan, dense to crystalline, clean.	Toronto

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3598 - 3634	Shale, gray and gray-green, some streaks of gray siltstone	Top Douglas 3598
3634 - 3674	Sand, fine, gray to green-gray, micaceous	No show
3674 - 3736	Shale, gray and brown, some sand streaks	
3736 - 3743	Limestone, dark brown to dark gray, dense, some fossils	Top Brown Lansing 3736
3743 - 3752	Shale, gray	
3752 - 3756	Limestone, dark dirty gray to brown, dense to sub-crystalline, fossiliferous.	
3756 - 3757	Shale, gray	
3757 - 3780	Limestone, gray to black, some tan, finely crystalline, some oolites, some black oolites	Top Lansing 3757
3780 - 3782	Shale, brown and gray	
3782 - 3791	Limestone, gray to light tan, crystalline, fossiliferous, some gray chert	
3791 - 3799	Limestone, as above, good vugular porosity	Good odor, trace free oil; good stain; DST
3799 - 3801	Limestone, gray dense	
3801 - 3803	Shale, gray	
3803 - 3808	Limestone, as above	
3808 - 3810	Shale, gray	
3810 - 3820	Limestone, tan to white crystalline; some vugular porosity	Slight spotted stain
3820 - 3822	Limestone, as above, no porosity	
3822 - 3824	Shale, gray	
3824 - 3844	Limestone, as above, trace gray chert	
3844 - 3845	Shale, gray and brown	
3845 - 3853	Limestone, dark brown and gray mottled, crystalline, some chert	
3853 - 3856	Limestone, as above, some vugular porosity	Possible trace stain
3856 - 3861	Limestone, gray to tan dense to finely crystalline	
3861 - 3862	Shale, gray	
3862 - 3873	Limestone, as above, possible streaks of porosity	No show
3873 - 3880	Limestone, gray, sub-crystalline to sacrose some chert, gray, opaque	
3880 - 3889	Limestone, gray to dark brown, dense to finely crystalline, sacrose, oolitic, fair oolitic and vugular porosity	Spotted stain
3889 - 3894	Limestone, as above, no porosity, some chert	
3894 - 3900	Limestone, tan, dense, chert, gray opaque. Possible streaks porosity.	Trace spotted stain; looks like water
3900 - 3905	Limestone, as above, no porosity	
3905 - 3908	Shale, gray	
3908 - 3913	Limestone, as above	
3913 - 3916	Limestone, gray to brown, very oolitic and oolitic, good oolitic porosity	Fair odor and stain, trace free oil
3916 - 3928	Limestone, light gray, dense	
3928 - 3931	Limestone, gray to brown, good oolitic and vugular porosity	Slight odor and show free oil; good stain

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3931 - 3943	Limestone, gray, dense, some gray chert	
3943 - 3949	Limestone, as above, with shale streaks	
3949 - 3953	Limestone, gray, sub-crystalline, some chert, white and gray opaque, good finely oolitic and vugular porosity	Good odor, stain and show free oil; DST
3953 - 3961	Limestone, gray to tan dense, some gray chert	
3961 - 3968	Limestone, light tan to brown to gray, dense to sub-crystalline, oolitic, very good oolitic and vugular porosity	Good odor, stain and show of free oil; DST
3968 - 3981	Limestone, gray to tan dense, some chert, gray opaque	
3981 - 3984	Limestone, fair oolitic porosity	Fair stain and show free oil
3984 - 3989	Limestone, as above, no porosity	
3989 - 3993	Shale, brown and green	
3993 - 4000	Limestone, brown to dark gray, sub-crystalline, some dark brown chert translucent, scattered vugular porosity	Spotted stain, slight odor, slight show free oil
4000 - 4027	Limestone, gray to brown, dense to finely crystalline. Trace chert, gray opaque	
4027 - 4029	Shale, brown and green	
4029 - 4043	Limestone, dark gray, dense, to finely crystalline, some oolites, streaks oolitic and vugular porosity	Spotted stain
4043 - 4052	Limestone gray to brown dense to finely crystalline, some oolites.	
4052 - 4055	Shale, gray, green and brown	
4055 - 4068	Limestone, as above	
4068 - 4071	Shale, as above	
4071 - 4077	Limestone, red-buff weathered. Some Oolites	Base Kansas City 4077
4077 - 4087	Shale, variegated, streaks limestone	Marathon
4087 - 4093	Limestone, gray, sub-crystalline	
4093 - 4100	Shale, gray, green, and brown	
4100 - 4129	Limestone, gray sub-crystalline, red oolitic, green, silicified. Much chert, brown to amber translucent. Some streaks shale, brown and green	
4129 - 4139	Chert, amber, pink, flesh, opaque and translucent, some gray devitrified	Trace dead stain
4139 - 4175	Shale, gray, green and brown with considerable chert as above	
4175 - 4192	Chert, white, gray and brown, opaque to semi-translucent, vitreous, figured to non vitreous and devitrified	Some dead stain; Mississippi
4192-4211	Shale, gray-green and brown, some green dense limestone, some white, opaque chert	Kinderhook 4192, some brown stain in chert
4211 - 4228	Chert, white to gray vitreous, translucent figured	Viola 4211
4228 - 4251	Chert, as above, much brown semi-devitrified chert.	Slight odor, good show free oil; DST
4251 - 4256	Limestone, white to gray, dense to crystalline sandy, trace green waxy shale	

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4256 - 4268	Shale, dark green, trace sandy shale.	Top Simpson 4256
4268 - 4271	Sand, brown and brown sandy dolomite	
4271 - 4274½	Dolomite, gray-brown, finely crystalline sandy	Good vugular porosity, good odor and show free oil.
4274½-4281	Dolomite, gray-brown, some sandy, some dense limestone inclusions	<u>See core record for details of section from 4270-4320.</u>
4281 - 4282	Shale, blue-green sandy	
4282 - 4285	Sand, medium angular, glassy some shale streaks	Good odor, fair show oil
4285 - 4290	Green shale with sand streaks	
4290 - 4295	Sand, fine gray-brown, very shaly	Fair odor, some oil show
4295 - 4299	Shale, green, sandy	
4299 - 4303	Shale, very sandy	Slight show oil
4303 - 4355	Shale, green; some sandy streaks, a few thin streaks brown dolomite	
4355 - 4360	Dolomite, light gray to light brown dense to very finely crystalline, slightly sandy. Trace brown oolitic and oolitic dolomite, some chert, white to brown oolitic	Top Arbuckle 4355, no show
4360 - 4369	Dolomite, light tan, finely crystalline to crystalline, trace chert, some vugular porosity	Trace odor, no show
4369 - 4373	Dolomite, as above, increase in porosity.	Good odor, some free oil and stain
4373 - 4376	Dolomite, light tan, crystalline to coarsely crystalline, some tripolitic cement, some chert, white, opaque, vitreous. Good porosity.	Good odor, and good show oil DST 4358 - 76
<u>4376</u>		<u>Total depth.</u>

(See following page for drill stem test, core record and completion data.)

DRILL STEM TESTS:

- (1) Lansing zone #1 3786 - 3802; open 1 hour
Good blow which decreased to fair blow after 30 min.
Recovered 480' gas, 60' slight oil and gas cut mud, no water
Initial flowing pressure - 140#
Final flowing pressure - 300#
Bottom hole pressure - 1335# (20 min.)
- (2) Lansing zones #9 and #10 3943 - 71; open 1 hour
Good blows which started to decrease in 20 min. and decreased to very slight trace by end of test
Recovered 340' gas, 80' slightly oil and gas cut mud; possible trace water at bottom.
Initial flowing pressure - 16#
Final flowing pressure - 32#
Bottom hole pressure - 125# (20 min.)
- (3) Viola Chert 4212 - 4255; open 1 hour
Good blow throughout
Recovered 4200' gas and 60' gas cut mud
Initial flowing pressure - 0
Final flowing pressure - 0
Bottom hole pressure - 140# (20 min.)
- (4) Arbuckle 4358 - 4376 (total depth); open 1 hour
Very good blow throughout
Recovered 1050' gas and 270' oil and oily mud, no sign of wtr.
Initial flowing pressure - 25#
Final flowing pressure - 97#
Bottom hole pressure 1438# (20 min.)

CORE RECORD:

- (1) 4270 - 4320; Simpson; Recovered 50'
4270 - 71; Dolomite gray-brown, finely crystalline, tight; sandy spots; no show
4271 - 74; Dolomite, as above, good vugular porosity; some of vugular areas filled with sand, brown, medium angular, a few light green shale inclusions; good odor and good show oil in vugs.
4274 - 76; Dolomite, brown-gray, finely crystalline, very tight, no show, not sandy, inclusions, light gray lithographic limestone.
4276 - 81; Dolomite, brown, finely crystalline, sandy, large rounded sand grains, streaks and inclusions, gray dense limestone, occasional thin streaks black shale.
4281 - 82; Shale, very dark green to black; pyrite inclusions, a few scattered sand grains.
4282 - 82; Shale, light blue-green, a few pyrite inclusions, a few scattered sand grains.
4282 - 82 3/4; Sand, medium, angular, glassy, light brown, gray, much light green shale between grains, much pyrite, slight odor, trace black stain.
4282 3/4 - 84 3/4; Sand, as above, less shale; good odor, good stain, bleeding oil.

(Core record cont'd.)

- 4284 3/4 - 85 1/2: sand as from 4232 1/2 - 82 3/4
4285 1/2 - 87 1/2: shale, gray, a few scattered sand grains
4287 1/2 - 88 1/2: shale, as above, very sandy, some odor, bleeding some oil.
4288 1/2 - 90 1/2: shale, gray, slightly sandy
4290 1/2 - 95 1/2: sand, fine, angular, gray-brown to brown, very shaly and silty, cross bedded; tiny inclusions of green shale; fair odor, some stain, bleeding some oil
4295 - 99: shale, greenish-gray to brownish-gray, fairly sandy, no odor or show
4299 - 4303 1/2: shale, gray, muddy, very sandy; coarse rounded sand grains; streaks brown-gray shale with few scattered sand grains; some odor, a few streaks bleeding oil.
4303 1/2 - 06: shale, green with intercalated sand streaks, sand very poorly sorted, black, slight odor, bleeding a little oil; some pyrite.
4306 - 4310: shale, green, some pyrite, little, if any, sand
4310 - 1 1/2: shale, gray-green, sandy, inclusions of fine white sand, some pyrite, no odor or oil show
4313 1/2 - 20: shale, dark gray-green to black, streaks sandy shale; streaks with many partly pyritized fossils - mostly gastropods.

COMPLETION DATA:

Drilled out cement and cleaned out hole to total depth
Dumped 100 gallons acid
Swabbed an estimated 2 barrels oil per hour
Swabbed to bottom
Then swabbed 20 barrels oil and no water in 12 hours
Put well on pump.

(Samples examined and log compiled by Wendell S. Johns.)

TIME LOG

WdY

H. L. Moore #1 Hoener

NE/NE/NW, 26-26S-13W

Pratt County, Kansas

Elev: 1942 Derrick floor

1944 Rotary bushing

WENDELL S. JOHNS

Note: All measurements are from the top of the rotary bushing which is two feet above the derrick floor.

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
3000 - 10	4-6-5-6-8-8-5-4-4-6	
20	6-4-4-3-4-4-4-4-4-4	
30	4-3-2-2-4-4-5-5-4-3	
40	3-4-3-2-2-2-2-2-2-5	
50	5-5-4-4-5-4-4-4-3-4	
60	4-5-3-3-3-3-3-3-4-4	
70	3-3-2-2-2-4-4-4-5-5	
80	4-4-4-3-3-4-4-4-4-4	
90	6-6-5-4-4-4-5-5-6-7	
90 - 3100	6-5-7-7-8-7-11-10-10-10	Trip 3100; OSC
3100 - 10	2-2-2-2-2-2-2-2-1-2	
20	2-1-2-1-1-1-2-2-2-2	
30	2-1-2-1-1-2-1-1-1-2	
40	2-2-2-2-2-1-1-2-2-2	
50	2-3-3-3-3-2-3-2-2-2	
60	2-1-2-2-2-3-4-4-4-5	
70	4-2-1-2-3-2-2-2-2-2	
80	2-2-2-2-2-2-2-2-3-3	
90	2-3-2-2-2-2-3-3-3-2	
90 - 3200	2-2-1-2-2-2-1-2-1-2	
3200 - 10	1-2-2-2-2-2-2-2-2-2	
20	3-3-4-4-4-3-9-6-8-7	
30	5- 5-7-6-4-4-4-5-5-6	
40	6-3-3-2-3-3-3-3-3-2	
50	1-2-3-4-5-3-3-2-3-4	
60	4-3-4-3-4-3-3-4-4-4	
70	3-4-4-3-4-3-4-5-4-2	
80	2-3-2-2-2-3-3-4-6-6	
90	6-5-6-7-6-6-6-7-6-7	
90 - 3300	7-6-6-5-4-6-4-3-2-3	
3300 - 10	2-2-4-5-6-8-4-4-6-7	
20	5-5-4-5-6-7-9-9-8-7	
30	6-5-5-4-4-4-3-5-5-6	
40	6-6-7-10-4-4-5-4-4-3	
50	3-3-6-6-8-8-8-8-8-10	
60	9-8-8-8-8-7-6-6-6-7	
70	7-7-6-7-6-3-3-3-5-6	
80	3-4-4-4-4-4-4-4-5-5	
90	6-5-5-5-5-5-5-4-5-5	
90 - 3400	5-5-5-5-6-7-5-10-9-7	Trip 3400; OSC
3400 - 10	4-4-4-6-4-4-4-5-5-5	
20	5-4-3-2-3-2-3-3-3-4	
30	3-4-5-6-5-7-7-7-4-5	
40	5-3-3-5-8-7-6-7-8-4	
50	3-3-3-2-3-2-3-3-2-2	
60	3-4-4-5-4-5-4-4-4-3	
70	6-5-4-3-3-4-4-3-3-3	
80	3-3-3-4-5-3-4-4-5-3	
90	3-3-3-4-2-4-4-3-4-3	

(2) Time log; H. L. Moore #1 Hoener

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
90 - 3500	5-4-5-4-5-5-5-6-3-4	
3500 - 10	3-3-2-2-3-2-3-3-4-4	
20	3-3-4-4-3-3-4-4-2-4	
30	3-4-4-3-4-3-2-2-1-1	
40	1-1-2-2-1-2-2-2-2-2	
50	2-4-4-3-4-7-9-4-4-2	
60	6-6-5-5-6-5-4-4-3-3	
70	4-5-5-7-7-7-7-4-4-4	Heebner 3567
80	4-3-2-8-8-8-6-6-8-9	
90	8-8-7-6-6-7-7-7-7-8	
90 - 3600	8-6-5-6-10-8-8-5-4-4	
3600 - 10	3-3-4-5-5-5-6-7-6-5	
20	5-5-3-2-4-4-4-4-7-7	
30	6-7-5-5-8-7-8-8-9-7	
40	7-6-5-6-4-4-4-3-4-3	
50	3-3-3-2-2-2-2-2-2-2	
60	2-2-2-3-3-3-3-3-6-8	
70	7-4-3-2-2-3-3-3-2-3	
80	3-3-3-2-4-7-7-6-5-5	
90	6-9-8-8-8-8-8-6-7-8	
90 - 3700	9-8-8-9-7-9-8-11-11-8	
3700 - 10	8-8-6-5-5-6-6-6-5-6	Trip 3708; OWS
20	6-6-6-6-5-6-7-5-5-5	SR 3713-18
30	5-5-5-6-4-5-6-5-6-5	
40	6-5-5-5-5-4-7-10-9-14	Brown Lansing 3736
50	8-4-7-6-4-5-7-7-6-7	
60	6-5-7-9-8-7-4-7-7-10	SR 3757-59; Lansing 3757
70	10-10-10-8-7-7-8-8-9-9	
80	9-9-9-10-9-10-10-14-12-11	
90	6-5-12-10-10-10-9-12-9-9	
90 - 3800	11-9-6-5-5-5-7-7-6-8	SR 3795-96
3800 - 10	9-13-18-20-16-17-17-20-8-5	Circ. 1 1/2 hr 3802; DST 3786-3802
20	7-4-2-5-7-4-6-6-7-7	New W7 @ 3802
30	9-9-7-7-14-19-17-10-16-14	
40	13-13-11-16-16-11-18-15-18	
50	20-20-20-13-15-16-10-7-18-14	Rough 3838; SR 3840
60	16-7-3-6-6-6-7-9-8-13	SR 3852-53 & 57; R 3858
70	11-5-10-13-7-10-8-7-11-10	SR 3862-64; R. 3868
80	6-6-5-8-12-12-18-18-14-14	SR 3873-80
90	10-13-8-10-8-7-7-6-7-10	SR 3881, 83, 85
90 - 3900	12-23-15-20-12-10-12-22-20-34	SR 3892 & 96
3900 - 10	25-25-20-25-20-6-6-4-14	SR 3908
20	18-22-6-2-3-8-13-18-16-19	Circ. 3910, 1 hr. Trip 3912, W7
30	15-8-19-15-15-5-6-10-8-7	Slight odor 3920 & 25; SR 3922 & 28
40	7-8-13-13-16-15-18-18-10-12	
50	16-16-15-9-6-6-6-8-14-5	SR 3950
60	3-3-4-7-13-13-16-14-19-12	Circ. 3955, 1 hr; SR 3960
70	5-4-3-2-2-2-3-3-6-4-8	SR 3964; Circ. 3971, 1 1/2 hr.
80	8-15-17-18-18-16-20-19-17-17	DST 3943-3971; New W7 @ 3971
90	17-14-7-7-9-14-16-20-15-7	
90 - 4000	6-5-5-8-8-9-11-10-10-10	SR 3993

(3) Time log; H. L. Moore #1 Hoener

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
4000 + 10	14-13-13-14-12-12-12-15-15-15	SR 4007
20	15-13-15-14-15-14-12-10-23	Rough 4014 & 4019
30	14-14-14-15-15-10-10-9-7-12	
40	7-6-9-18-15-7-10-11-11-11	
50	14-14-12-17-14-12-17-15-14-14	
60	14-18-12-10-10-13-13-14-8-15	
70	14-11-15-15-14-16-13-14-10-8	
80	8-19-18-15-13-19-21-9-7-7	Rough 4061
90	9-5-8-4-8-6-8-6-6-11	Base Kansas City 4077; Trip 4077
90 - 4100	8-8-8-7-7-4-3-3-5-5	W7
4100 - 10	6-12-10-11-11-8-8-15-10-12	SR 4081 & 89; Rough 4082
20	13-14-18-14-16-15-12-10-15-11	Rough 4091-92; 4095 & 99-4100
30	10-15-5-13-7-11-3-23-15-10	
40	10-10-10-8-8-9-5-15-15-20	SR 4123 & 25
50	15-20-12-18-13-11-11-10-7-10	SR 4135
60	11-11-6-10-4-7-7-7-9-10	
70	11-9-12-14-13-9-8-8-11-9	Circ. 4170, 1½ hrs.
80	9-11-10-14-11-7-7-4-7-6	Mississippi 4175; SR 4176-79
90	6-8-8-7-8-5-4-6-5-5	
90 - 4200	5-7-9-16-28-8-10-10-10-12	Kinderhook 4192; Circ. 4195, 1½ hr
4200 - 10	19-9-15-13-10-12-12-9-11-9	Trip 4195; W7
20	8-10-6-4-4-6-12-5-7-6	SR 4202
30	4-3-5-4-5-5-5-5-4-4	Top Viola 4211; SR 4213, 4217-18-20
40	3-5-8-4-5-6-10-6-7-6	SR 4224
50	10-6-8-9-10-6-8-6-7-8	SR 4235; 58
60	6-12-7-10-15-15-14-14-9-13	SR 4241-42
70	12-10-11-11-12-9-10-10-8-9	Simpson 4256; Circ. 4255, 1½ hr
80	13-11-8-7-8-9-10-11-11-10	DST 4212-4255; New OWC 4255
90	9-18-14-5-5-10-14-10-13-14	Circ. 4270, 1½ hrs.
90 - 4300	5-6-6-10-12-16-14-18-12-11	Cored 4270-4320
4300 - 10	13-11-15-18-16-30-25-26-17-12	
20	12-15-21-27-26-27-35-36-31-25	
30	8-8-7-9-10-10-8-8-9-10	OWC rerun @ 4320
40	7-9-10-8-10-8-9-8-6-11	
50	9-11-11-10-9-10-11-13-14-14	SR 4345
60	20-9-9-15-13-24-23-24-19-27	Top Arbuckle 4355; SR 4358-59 & 62
70	20-17-14-12-15-18-11-13-16-10	Circ. 1½ hr. 4360; Trip 4360; W7
76	12-10-12-4-5-6	SR 4362; 64; Rough 4370
		Circ. 4365, 1½ hr.
		Rough 4373; Circ. 4376, 1½ hr.
		DST 4358-76
		Total depth 4376
		Ran electric log

(Time log condensed by Johns and Magathan)