

Computer Inventoried

FORMATION LOG

WENDELL S. JOHNS

Anchutz #1 Tatlock
NE NE NW; 28-26S-15W
Pratt County, Kansas
Elevation: 2050 derrick floor

8 5/8" surf. csg. 325'
5 1/2" casing: 4320'
Comm: 9-26-54
Comp:

Note: All measurements are from the top of the rotary bushing
which is 3' above the derrick floor.

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3886-91	Limestone, dark brown to brown-black, dense	Top Brown Lime 3886
3891-3905	Shale, gray; streaks limestone, as above	
3905-07	Limestone, tan to light gray, mottled, subcrystalline	Top Lansing 3905
3907-15	Limestone, tan, finely sucrose to subcrystalline; fair spotted porosity	Good light brown stain; D.S.T.
3924-28	Limestone, brown, finely crystalline, fossiliferous, good vugular porosity	Good stain D.S.T.
3948-54	Limestone, light gray, subcrystalline; fair vugular porosity	Good spotted stain
3970-74	Limestone, tan, very finely sucrose; spotted vugular porosity	Slight stain, some gilsonite
3984-92	Limestone, tan to brown, dense, resinous, oolitic; spotted vugular porosity	Trace stain
4000-13	Limestone, tan to brown, very finely sucrose; very good oolitic porosity	Very good spotted stain
4019-36	Limestone, white, subcrystalline, chalky, oolitic; spotted vugular porosity	No show
4054-60	Limestone, tan to brown, finely sucrose, oolitic; very good oolitic porosity	Good spotted stain
4071-74	Limestone, white, chalky, oolitic, finely sucrose; fair spotted oolitic and vugular porosity	Fair spotted stain
4090-92	Limestone, gray, subcrystalline, oolitic; spotted vugular and inter-oolitic porosity	No show
4102-08	Limestone, tan to light brown, oolitic and fossiliferous, finely crystalline; spotted inter-oolitic porosity	Spotted light brown stain much gilsonite

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<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4118-21	Limestone, tan, subcrystalline, resinous; spotted vugular porosity	No show
4128-35	Limestone, white to tan, resinous, finely crystalline, oolitic; spotted fair oolitic porosity	Spotted fair stain
4172-76	Limestone, light gray to light tan, finely sucrose, chalky; spotted oolitic porosity	Slight spotted stain
4179-82	Porous limestone, as above	Slight spotted stain
Note: The log to this point covers only the porous zones. From 4323, down the log is complete.		
4323-45	Chert, white, opaque to translucent, some figured; chert, white, devitrified with brown to black stain, no free oil; chert, flesh to salmon, opaque, vitreous	Top Mississippi 4323, D.S.T.
4345-49	Shale, gray, gray-green and gray-black	Top Kinderhook 4345
4349-73	Limestone, tan to gray-green, subcrystalline, resinous; some tan to brown, opaque chert; streaks shale, as above	
4373-4416	Shale, as above, much red-brown shale	
4416-29	Limestone, tan to yellow-white, medium crystalline; some white, vitreous chert	Top Viola 4416
4429-40	Limestone, white, very finely sucrose, dolomitic; chert, white to cream, opaque to semi-translucent	Porous on electric log
4440-66	Limestone, dark red to cream, medium crystalline, chalky; much chert, as above	
4466-96	Limestone, pink to white to gray-green, mottled, subcrystalline; limestone, dark red, medium crystalline; much chert, as above; chert, salmon to pale green to cream, vitreous translucent; chert, white semi-divitrified, spicular; streaks gray-green shale	Porous on electric log
4496-4501	Limestone, gray, subcrystalline to medium crystalline, glauconitic; limestone, light gray, finely sucrose, dolomitic	

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<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4501-12	Much chert, as above; increase in dolomitic limestone	Porous on electric log
4512-20	Limestone, tan to white, medium to coarsely crystalline, some glauconitic	
4520-25	Limestone, tan to light gray, coarsely crystalline; much white to light gray to citrine, semi-translucent, vitreous chert	Porous on electric log
4525-28	Shaly limestone	
4528-31	Cherty limestone, as above	Porous on electric log
4531-38	Limestone, tan to gray, dense, lithographic; limestone, light gray, sucrose, dolomitic	
4538-63	Limestone, white, finely crystalline with included sand grains; some dolomitic limestone, as above; much chert as above; streaks gray-green and pale green shale	Porous on electric log
4563-81	Limestone, gray to brown, dense, resinous some subcrystalline, chalky, dolomitic limestone.	
4581-91	Limestone, white, subcrystalline, sandy; limestone white, coarsely crystalline, dolomitic	
4591-94	Shale, pale green to dark gray-green, sandy	Top Simpson 4591
4594-4602	Dolomite, tan, dirty, very finely crystalline	
4602-22	Shale, gray, sandy; streaks gray, poorly sorted, subrounded to subangular, argillaceous, calcareous, glauconitic sand.	
4622-33	Sand, gray, fairly well sorted, angular to subrounded	No show
4633-52	Shale, brown to gray-green to dark green, sandy	
4652-55	Dolomite, cream, finely sucrose, oolitic; fair oolitic porosity	Top Erosional Arbuckle; 4652 - Good brown stain; D.S.T.
4655-75	Much gray-green to dark green shale; streaks cream to tan, subcrystalline to finely sucrose dolomite; some white oolitic chert	

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<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4675-81	Dolomite, cream to tan, finely crystalline, rhombohedral, resinous; spotted vugular porosity	Top Arbuckle 4675; no show
4681-85	Dolomite as above, no porosity	
4685-89	Dolomite, porous, as above	No show
4689-93	Dolomite, tan, finely crystalline to subcrystalline; chert, white, oolitic	
4695-96	Dolomite, gray to tan, medium to coarsely crystalline, rhombohedral; spotted vugular porosity	No show
4696-4700	Dolomite, tan, finely crystalline to sub-crystalline	
4700 Total Depth		

Samples examined and log compiled by

Willis Jack Magathan

TIME LOG

May 11, 1955

Wotten - Sec 6 T1?
May 21/1955
W. R. F.

Anschutz Drilling Company, No. 2 Matlock, NE NE NW, Section ²⁸~~21~~ 26-15N, Pratt Co., Kansas

DEPTH	DRILLING TIME	REMARKS
From To		
3500 3510	2-3-2-2-2-3-2-2-3-2	Trip # 3518
3510 3520	3-4-5-2-5-9-10-8-5-6	
3520 3530	6-5-5-5-5-6-5-7-6-8	
3530 3540	2-4-7-5-5-5-4-4-4-3	
3540 3550	2-4-2-3-3-3-3-3-3-3	
3550 3560	4-3-3-3-4-2-3-2-1-2	WENDELL S. JOHNS
3560 3570	1-2-3-4-4-5-5-5-5-7	
3570 3580	10-10-9-6-4-4-5-5-4-7	
3580 3590	8-6-4-4-3-2-4-6-5-4	
3590 3600	3-3-4-4-4-6-6-6-7-7	
3600 3610	10-8-4-8-8-9-8-7-5-4	
3610 3620	9-5-2-3-4-5-2-5-5-4	
3620 3630	4-5-5-5-5-3-3-4-4-5	
3630 3640	6-5-5-5-5-3-5-5-5-5	
3640 3650	5-6-6-5-5-5-5-5-5-6	
3650 3660	6-5-5-5-5-5-5-5-3-2	
3660 3670	2-4-4-5-5-5-4-2-3-4	
3670 3680	6-5-5-7-4-8-6-5-5-4	
3680 3690	5-5-5-5-7-7-7-7-5-7	
3690 3700	6-7-6-5-6-9-6-5-5-5	
3700 3710	5-5-5-5-5-8-7-7-3-3	
3710 3720	4-5-5-5-5-5-5-5-5-4	
3720 3730	5-5-5-5-5-5-5-5-10-11	
3730 3740	11-11-11-8-7-5-9-11-11-12	
3740 3750	13-10-8-3-3-3-2-3-13-12	
3750 3760	12-10-6-4-4-4-5-4-8-10	
3760 3770	11-11-9-8-8-11-7-8-9-9	
3770 3780	7-7-8-8-7-7-5-6-5-4	
3780 3790	4-7-7-8-6-5-5-2-3-2	
3790 3800	5-5-5-5-5-5-5-5-5-6	
3800 3810	4-4-4-6-4-4-4-4-3-3	
3810 3820	3-4-5-4-3-3-3-3-3-3	
3820 3830	4-4-3-3-3-3-3-3-3-3	
3830 3840	3-3-3-3-3-3-3-3-3-3	
3840 3850	4-4-4-3-3-3-3-3-3-5	
3850 3860	4-4-4-6-5-5-5-6-7-5	
3860 3870	4-4-4-5-5-5-5-5-4-4	
3870 3880	4-4-4-4-4-4-4-4-4-4	
3880 3890	5-5-5-5-5-5-5-5-4-4	
3890 3900	4-4-4-4-4-4-4-4-4-4	

3900	3910	4-5-13-13-11-13-13-6-7-8	
	3920	8-3-5-6-6-6-6-6-13	
	3930	13-13-13-11-10-9-3-5-9-14	Circ. # 3930
	3940	11-10-7-7-7-10-12-6-5-5	
	3950	9-8-6-6-6-5-6-6-6-5	Circ. # 3948
	3960	6-7-9-8-8-11-10-9-10-10	
	3970	10-11-9-5-6-6-5-6-1-5	
	3980	7-7-7-11-11-10-10-10-12-14	
	3990	13-12-11-13-13-13-10-7-7-8	
	4000	8-11-12-14-14-13-11-6-9-9	
4000	4010	5-3-6-7-8-8-6-6-7-11	
	4020	10-6-13-13-6-2-1-1-1-1	
	4030	1-1-3-3-2-6-10-10-10	
	4040	10-13-11-14-12-11-12-14-13-10	
	4050	9-6-7-7-6-5-5-7-8-7	
	4060	8-8-8-9-11-8-10-12-16-21	
	4070	16-15-15-19-20-14-10-5-5-7	Trip # 4066
	4080	6-5-5-5-7-4-4-7-13-10	
	4090	9-9-7-9-8-9-5-5-5-5	
	4100	5-8-6-7-7-7-10-10-10-7	
4100	4110	6-10-10-7-6-6-8-8-3-1	
	4120	2-2-2-4-7-6-5-6-5-2	
	4130	2-1-3-2-2-4-3-2-1-2	
	4140	9-10-11-10-10-12-14-12-13-9	
	4150	9-8-11-11-12-12-11-9-7-7	
	4160	12-13-9-9-9-8-9-12-16-12	
	4170	10-10-11-11-13-12-13-13-13-13	
	4180	12-11-11-10-13-17-12-11-11-11	
	4190	12-13-14-10-7-9-16-9-13-15	
	4200	11-17-5-3-3-7-12-11-5-5	
4200	4210	11-8-10-10-14-13-10-9-10-7	Circ. # 4199
	4220	9-5-5-11-11-11-6-7-9-9	
	4230	8-10-9-7-7-8-7-6-7-6	
	4240	6-5-4-4-7-6-5-8-7-7	
	4250	10-8-8-5-10-9-7-7-6-7	
	4260	9-7-7-6-7-6-7-7-8-7	
	4270	7-6-7-6-7-6-6-6-7-9	
	4280	7-8-8-8-7-7-8-7-6-9	
	4290	8-8-8-8-9-7-6-8-6-7	
	4300	10-10-10-8-6-6-7-6-10-10	
4300	4310	10-11-10-10-11-11-10-10-10-11	
	4320	10-10-11-8-7-10-12-12-11-12	
	4324	10-11-12-10	TD 4324