Computer Inventoried

FORMATION LOG

WENDELL S. CO

Artnell #5 Sittner
NW NE NE 33-21S-12W..
Stafford County, Kansas
Elevation: 1854' Derrick floor

Commenced: 9-16-46
Completed:
10 3/4" @ 283 - 200 sax cement
5 1/2" 3867

All measurements are from the top of the rotary bushing, which is 1" above the derrick floor.

Depth	Formation Description	Remarks
0- 40	Soil and sand	Drillers log 0-3200
40- 130	Sand and clay	
130- 280	Shale and red beds	
280- 580	Red beds	
580- 655	Red beds and shale	
655- 680	Anhydrite	Stone corral 640-65 Electric log
680-1020	Shale	
1020-1175	Shale and shells	
1175-1390	Shale and salt	
1390-1500	Shale	
1500-1545	Broken Limestone	
1545-1710	Limestone and shale	
1710-1920	Limestone	
1920-2415	Limestone and shale	
2415-2485	Shale	
2485-2780	Shale and shells	
2780-2895	Shale and limestone	Topeka 2836 electric log
2895-3165	Limestone	Heebner 3028-34 Electric log Dodge Limestone 3148-80 electric log
3165-3200	Shale	Base Oread 3180 electric log
3200-3262	Gray & maroon shale with sand streaks	Sample log from 3200 to T. D.
3262- 67	Limestone, brown finely crystalline	Top brown Lansing 3262
3267- 72	Gray shale	
3272-3288	Limestone gray to tan sub-crystalline to finely crystalline	Top Lansing 3272
3288-3309	Brown Limestone, dense to crystalline. Trace oolites, some brown translucent chert, a few thin porous streaks	No oder or stain
3309-3321	Limestone as above - trace pin point porosity in thin streaks	No oder, trace dead stain DST 3288-3320 Open 13 min Rec. 20' mud
3321- 48	Limestone, gray to tan finely crystalline.	
3348- 52	Limestone tan, sub-crystalline oolitic, fair inter oolite porosity	Slight oder and spotted dead stain
3352- 60	Limestone, gray and black mottled crystalline, some black oolites	
3360- 65	Limestone tan sub-crystalline, oolitic and oolicastic porous, some white oolitic opaque to translucent chert	No oder - spotted dead stain

Depth	Formation Description	Remarks
3365-3402	Limestone gray to brown sub-crystalline to dense. Trace white opaque chert	
3402- 09	Limestone tan to gray sub-crystalline oolicastic. Good porosity	Fair odor and stain
3409- 20	Gray crystalline limestone	
3420- 28	Limestone gray to tan sub-crystalline trace oolite, slight porosity, trace dark stain	
3428- 38	Limestone as above, no stain or porosity	
3438- 48	Limestone tan oolitic, streaks of porosity, very spotted stain	
3448- 60	Limestone, white, finely crystalline	
3460- 66	Limestone as above, trace porosity and stain	
3466- 90	Limestone tan dense	
3490-3505	Limestone, cream to white crystalline, a few large oolites	
3505- 10	White crystalline limestone, many very large oolites	Base Kansas City and top Conglomerate 3510
3510- 20	Gray and maroon shale and gray finely crystalline limestone	
3520- 40	Gray, maroon, and green shale. Some weathered limestone, red yellow and white chert, trace brown sand	
3540- 87	White and gray opaque chert, some partly devitrified	Top Viola 3540
3587-3635	Green and maroon shale, some sandy green shale, trace chert	Top Simpson 3587
3635- 36	Brown sand, medium rounded. Fair stain and odor	
3636- 46	Dolomite, white, finely crystalline much coarsely oolitic chert at top	Top Arbuckle 3636
3646- 49	Dolomite as above, fair porosity, some stain and odor	
3649- 88	Dolomite crystalline to finely crystalline, white to brown. Trace porosity, odor and stain, some white opaque chert	
3688- 92	Dolomite as above, porous, trace odor and free oil at top. Looks like water at bottom	DST 3677-92. Open 15 min. Rec. 180' Mud and salt wtr.
3692-3714	Dolomite white finely crystalline	
3714- 18	Dolomite at above, some porosity, trace black gilsonitic stain	
3718- 45	Dolomite brown and white, finely crystalline to crystalline, tight hard, trace gray to white opaque chert	
3745-3835	Dolomite white to brown crystalline, Much chert, White opaque to transculent. Some black and gray oolitic chert.	

Depth	Formation Description	Remarks
3835- 63	Dolomite as above, much white chert vitreous to devitrified	
3863- 67	Dolomite as above, good vugular porosity	

Rotary Total Depth 3867'

Samples run and log compiled by

WSJ:h WENDELL S. JOHNS