

SUN OIL COMPANY

ATKINSON COUNTY, GEORGIA

DOSTER-LADSON # 1

1650' N - 660' E SW^c Lot 71, L. D. 7

ELEV.: 217 gr., 222 D. F.

BEGAN: 12-7-44

COMPLETED: 1-30-45

CSG. RCD.: 16" at 175' w/100s; 10 3/4 at 1052 w/150s

I. P.: D & A

T. D.: 4296

SCH.: 175-4282

DRILLER'S LOG

0-20 Sd
28 Gummy
66 Sd
70 Stky clay
80 Sd
90 Sd & sh
112 Green sh Totco 100-1/4°
154 Green sh & sd
160 Stky lime Totco 150-1/8°
171 Hd sdy lime
176 Hd dolomitic
188 Gravel w/strks shale & lime
193 Very hard dolomitic lime rock
215 " " " "
223 Sand & lime
243 Brkn lime
250 Hd lime w/dolomite strks
260 Sdy lime w/stks green sh & dolomite
267 Hd lime & stky sh & lime
270 Hd bkn lime & dolomite
305 Very hd bkn dolomite w/stks sd & sh
432 Hd bkn dolomite & lime & stks shale Totco 335- 1/8°
470 Hd lime-dolomite
520 Hd lime w/shell stks
577 Semi-hd lime w/stks dolomite
580 Cavity (lost returns for 30 min. regained them)
586 Very hd bkn dolomite lime (4 hrs. at 3 1/2') DJM
594 Very hd dolomite limestone (1' /hr.)
600 Very hd dolomite rock (1' /hr.)
604 Dolomite lime rock (broke out hd dlq at 604)
639 Hd bkn lime w/sand stks
649 Hd bkn lime w/limey sd
700 Semi-soft sandy lime Totco 650-1°
722 Bkn lime & coquina
729 Core #1, Rec 3' gray lime & coquina (coring time 1 hr)
822 Gray lime Totco 750- 3/4°
833 Hd lime Totco 830-1/2°
843 Bkn lime
858 Core #2, Rec 2' very soft gray sdy lime (coring time 8 min)
903 Gray bkn sdy lime w/stks of hd lime
910 Hd lime
919 Soft brown sdy lime
933 Sdy lime w/stks of dolomite
939 Sdy lime & fossils
959 Very hd bkn dolomitic lime Totco 950-0°
979 Lime (soft) w/stks sd & fossils
985 Medium hd lime
1054 Bkn lime
1060 Hd lime (reduced hole from 13 3/4 to 9 7/8 at 1056)
1111 Bkn lime
1155 Sdy lime
1160 Hd lime
1230 Mealy lime (soft)
1260 Bkn sdy lime w/stks chalky lime
1272 Chalky lime
1279 Dolomite

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1290 Bkn lime
 1294 Hard lime
 1301 Hd dolomite lime
 1315 Bkn lime
 1331 Hd lime (bkn stks) w/chert
 1338 Hd lime
 1426 Lime w/stks hd sd Totco 1400-0°
 1430 Hd lime
 1495 Sticky chalky shale
 1500 Gummy green shale
 1510 Core #3, Rec 1/2' Sdy chalky lime
 1006-1058 dld cement
 1058-1500 washed to bottom
 1500-1510 reamed 6 3/4 core hole
 1544 Bkn lime
 1595 Bkn lime and shells
 1610 Sticky lime
 1622 Bkn lime
 1647 Hd gray lime w/stks chert
 1653 Sd & shells
 1680 Hd brown lime w/sd stks
 1728 Sd (gray) w/shells
 1730 Hd lime w/chert
 1735 Lime
 1772 Bkn lime
 1860 Soft lime & gummy shale Totco 1800-0°
 2000 Sticky sh w/stks lime shells Totco 2000-1/8°
 2010 Shale - slightly sdy
 2020 Core #4, Rec 10', Shale slightly sdy
 2045 Sdy sh w/stk lime
 2055 Core #5, Rec 10', Soft sdy shale
 2100 Soft sdy shale
 2110 Core #6, Rec 10', Soft sdy shale
 2134 Soft sdy shale
 2150 Sticky shale Totco 2150-3/4°
 2160 Core #7, Rec 10', Sdy shale
 2200 Sdy sh w/stks stky shale
 2210 Core #8, Rec 5', Sdy sh & stky sh
 2232 Sdy sh w/streaks sd
 2256 Shaley sd (formation changed at 2232 to shaley sd)
 2310 Sdy shale w/strk sand Totco 2300-1 3/4°
 2317 Core #9, Rec 7', Shale (from here continuous coring to 3718)
 2327 " #10, Rec 0' (cuttings showed shale)
 2337 " #11, Rec 10' shale
 2347 " #12, 10' "
 2357 " #13, 10' Sdy shale
 2367 " #14, 6' " "
 2377 " #15, Rec 10' Sdy shale
 2387 " #16, Rec 0 Gummy shale
 2397 " #17, Rec 0 " "
 2407 " #18, Rec 3' " "
 2417 " #19, Rec 4' Sticky shale
 2427 " #20, Rec 3' " "
 2437 " #21, Rec 0' " "
 2447 " #22, Rec 1/2' " " stiff & gummy
 2457 " #23, Rec 10' Shale w/layers of sand
 2467 " #24, Rec 0' Very sticky shale
 2477 " #25, Rec 4', Sdy sh (originally logged as 1/2' rec and very sticky shale)
 2487 " #26, Rec 0', Very sticky shale
 2497 " #27, Rec 1', Sdy shale w/sticky strks
 2507 " #28, Rec 10', Sdy shale w/one foot shell Totco 2500-3 1/2°
 2517 " #29, Rec 10', Sdy shale
 2527 " #30, Rec 10', Sand-shaley
 2537 " #31, Rec 10', " "
 2547 " #32, Rec 9', Hd sd w/stk lime & sh
 2557 " #33, Rec 10', Sdy shale
 2567 " #34, Rec 1/2'
 2577 " #35, Rec 0', " " (Failed to lock barrel in D. C.)

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2582 Core #36, Rec 4', Sdy shale
 2588 " #37, Rec 6', Firm shale w/sand stks
 2598 " #38, Rec 5', " "
 2608 " #39, Rec 3', Sdy shale w/sticky shale Totco 2600-4 $\frac{1}{2}$ ^o
 2618 " #40, Rec 4 $\frac{1}{2}$ ', Stiff gummy shale
 2628 " #41, Rec 6', Sdy sh w/sticky streaks
 2638 " #42, Rec 10', Soft sticky shale w/streaks of sd & sdy sh
 faint gas odor.
 2648 " #43, Rec 7', 8' soft shale 2' limey shale
 2658 " #44, Rec 7', Limy shale
 2668 " #45, Rec 9', 5863 sdy limy shale 63-67 hard shale w/stk
 sdy lime.
 2678 " #46, Rec 6', Hd sh w/stk sdy lime
 2688 " #47, Rec 2', Hd shale
 2698 " #48, Rec 5', Hd shale
 2708 " #49, Rec 6', " "
 2718 " #50, Rec 3', " "
 2728 " #51, Rec 7', Black gmy sh w/sticky stks
 2738 " #52, Rec 3', Soft sticky sh
 2748 " #53, Rec 6', Rotten shale (soft) w/sticky streaks
 2758 " #54, Rec 5', Rotten shale (soft) w/sticky stks
 2768 " #55, Rec 5', " " " " "
 2778 " #56, Rec $\frac{1}{2}$ ', Sticky shale
 2788 " #57, Rec 5', Rotten sh w/stky strks
 2798 " #58, Rec 7', Sand-limey shale
 2803 " #59, Rec 2', Shale-stk lime
 2813 " #60, Rec 10', 5' hd sd & lime 5' sdy sh & shale
 2823 " #61, Rec 3', 2' hd sd (salt & pepper & green)
 2833 " #62, Rec 3', hd sd
 2843 " #63, Rec 1', Sdy shale w/stk sd
 2853 " #64, Rec 10', Gray sd & sh
 2863 " #65, Rec 10', " " " "
 2873 " #66, Rec 8', Sdy sh
 2883 " #67, Rec 5', Gummy shale
 2893 " #68, Rec 6', Tight gummy sh
 2903 " #69, Rec 4', Sdy sh w/stky strks
 2913 " #70, Rec 10', Gray sdy sh & lime
 2923 " #71, Rec 5', Black sh & stky sh
 2933 " #72, Rec 8', 4' Semi hard sh, 4' soft shale
 2943 " #73, Rec 2', Sand
 2953 " #74, Rec 8', Shale (hard)
 2963 " #75, Rec 0', Shale (soft)
 2968 " #76, Rec 5', Hd shale
 2976 " #77, Rec 8', Sand & shale
 2986 " #78, Rec 4', Hd shale
 2996 " #79, Rec 3', Hd shale
 3005 " #80, Rec 8', Sdy shale Totco 3000-7^o
 3015 " #81, Rec 5', Gray sh w/sticky shale
 3025 " #82, Rec 6', Gray sh w/sticky shale
 3035 " #83, Rec 5', Shale & sand
 3045 " #84, Rec 9', Hd sh w/stks fossils
 3055 " #85, Rec 10', Hd shaley lime w/6" hd lime
 3065 " #86, Rec 8', Shaley lime
 3075 " #87, Rec 10', Shale & stks lime
 3085 " #88, Rec 5', Shale
 3095 " #89, Rec 8', "
 3105 " #90, Rec 10', Shale
 3115 " #91, Rec 7', Shale w/sticky strks
 3125 " #92, Rec 10', Shale w/sticky strks
 3135 " #93, Rec 7', Hd shale w/stky sh
 3145 " #94, Rec 10', Soft sd w/stks shale (Top sd 3138)
 3155 " #95, Rec 10', Soft sd w/stks shale
 3165 " #96, Rec 9', " " " "
 3175 " #97, Rec 9', Limy-sdy shale
 3185 " #98, Rec 10', Tough black shale
 3195 " #99, Rec 1', " " "
 3205 " #100, Rec 10', Hd shale Totco 3200-7^o
 3215 " #101, Rec 7', Hd sdy shale
 3225 " #102, Rec 10', Hd sdy shale

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3235	Core	#103, Rec 7', Hd shale	
3245	"	#104, Rec 10', Hd sdy sh & shale	
3255	"	#105, Rec 10', Hd shale	
3261	"	#106, Rec 5', Shale & hd sd rock	
3266	"	#107, Rec 2', Hd sdy lime rock & soft sd	
3271	"	#108, Rec 5', 66-68 sand 68-70 shale, 70-71 sand (soft) (slight gas odor)	
3276	"	#109, Rec 4 1/4', Soft sand (gas-oil odor) very faint	
3286	"	#110, Rec 5', Soft sand & shale	
3293	"	#111, Rec 2', Soft sand & sandstone	
3298	"	#112, Rec 2', Soft white sd	
3308	"	#113, Rec 1/2', Sd w/hd stks sd & sh	
3318	"	#114, Rec 6', Soft sd & sh	
3328	"	#115, Rec 8', 18-22 Hd sh, 22-28 soft green sd	
3338	"	#116, Rec 5', 28-37 sd, 37-38 sdy limestone (Hard)	
3347	"	#117, Rec 5', Hd limy sd & soft sd	
3357	"	#118, Rec 5', Soft sand	
3367	"	#119, Rec 10', " "	
3377	"	#120, Rec 5', 68-69 Hd sandy lime	
3387	"	#121, Rec 6', Soft sand	
3397	"	#122, Rec 8', " "	
3407	"	#123, Rec 4', " " Totco 3400-10 1/4°	
3413	"	#124, Rec 1/2', Soft sd & sand rock	
3423	"	#125, Rec 4', 13-16 Rock 16-23 soft sand	
3433	"	#126, Rec 4', Soft white sand	
3440	"	#127, Rec 7', Soft white sand	
3450	"	#128, Rec 7', 40-47 Soft water sd, 47-50 green sd (hard) Totco 3450-10 1/4°	
3460	"	#129, Rec 3', Hd sdy lime & soft sd (green)	
3470	"	#130, Rec 2', Soft sd	
3480	"	#131, Rec 9', " " Totco 3475-9 1/4°	
3490	"	#132, Rec 10', Soft sd	
3498	"	#133, Rec 2', Streaks hard sand	
3508	"	#134, Rec 3', Hd sand & soft sdy lime	
3518	"	#135, Rec 4', Hd " " " " " & shale	
3538	"	#136, Rec 9', Hd sdy Totco 3535-10°	
3558	"	#137, Rec 5', 38-40 Hd shale 40-58 soft white sd	
3578	"	#138, Rec 0', Sand very soft (No rec. due to insufficient weight) Totco 3570-10 1/2°	
3598	"	#139, Rec 5', Soft white sd, w/stks shale, tight packed sd	
3618	"	#140, Rec 4', Hd sdy lime rock & soft sand	
3638	"	#141, Rec 4', Soft sd & sdy lime	
3658	"	#142, Rec 3', Soft sd & shale	
3678	"	#143, Rec 8', 5' hd lime rock & 3' shale Totco 3675-10 1/2°	
3698	"	#144, Rec 8', Gummy shale & hd sdy lime	
3718	"	#145, Rec 7', Shale & sdy lime	
3739		Shale & lime	
3773		Shale w/stks of lime & hd sand	
3818		Lime w/stks sd, shale & fossils	
3857		Shale & sdy lime Totco 3840-7°	
3878		Shale (gray) w/stks of lime & light red shale	
3905		Red & gray sh, stks sdy lime	
3909		Coarse grain sand (no odor)	
3911		Hd lime rock	
3929		Hd lime & gravel	
3947		Red shale & sand	
3951		Red & gray shale	
4034		Brown & white gravelly sd w/thin layers of shale	
4055		Varicolored coarse grain sand Totco 4054-4°	
4070		Red & gray shale	
4086		Sand (as above)	
4089		Red & gray shale (at 4089 a 9" roamer 3 1/2' long was added but did not appear in pipe talley, so all figures from here are 3 1/2' too shallow)	
4093		Very hd red & gray shale w/gravel	
4097		Red shale	
4102		Core #146 Rec 0', Red shale	
4122		Red shale	
4145		Coarse grain sd w/stk tough red shale	

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4148 Red shale
4164 Red sh & gravel w/stks gray sd & red sdy shale
4167 Core #147, Rec 3', Red sticky shale & red sdy shale
4167 Red shale & sand
4227 Red & gray sh w/gravelly sd
4229 Red & gray sdy shale
4246 Granite wash & quartz
4264 Granite wash
4277 Hd sdy sh w/quartz & stks granite wash
4279 Hd plenty sh w/stk granite wash & quartz (Ran Schl. T. D. 4282)
4282 $\frac{1}{2}$ Core #148, Rec 3', Igneous rock
4284 Quartz
4289 "
4293 Quartz or igneous rock
4293-4296 measured pipe