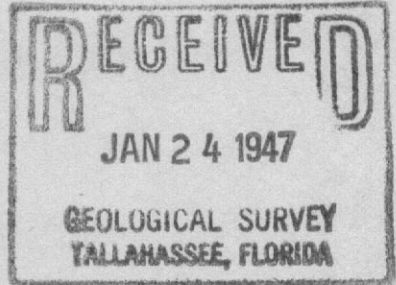


GILCHRIST COUNTY, FLORIDA

SUN OIL COMPANY
 ALTO ADAMS #1
 600' N & 600' E of SW/c Sec. 15-9S-15-E
 ELEV: 93
 BEGAN: 2-8-46
 COMPLETED: 3-27-46
 Csg. Rod: 60.19' of 16" - 988.68' of 10-3/4"
 I. P.: D & A
 T. D.: 3753'
 SCH.: 3748'



*From P.K. Lansdell Scout
 Shell Oil Company
 Tallahassee*

DRILLER'S LOG

| | |
|-----------|--|
| 0-30 | Sand |
| 30-35 | Sand |
| 35-55 | Sand |
| 55-63 | Lime |
| 63-73 | Lime |
| 73-74 | Mud congealed when cement was drilled up into it |
| 74-76 | |
| 76-105 | Loosing about 25% returns |
| 105-117 | Porous lime w/ dolomite streaks. |
| 117-156 | Porous lime w/ stks dolomite |
| 156-181 | Raw lime |
| 181-188 | Stks sand & lime very porous |
| 188-191 | Lime broken |
| 191-193 | 18" very hard rock. Did not show on indicator next 6". |
| 193-200 | Broken lime |
| 200-208 | No returns |
| 208-236 | Broken lime |
| 120-156 | |
| 156-228 | |
| 228-236 | |
| 236-242 | Soft lime |
| 242-254 | Med. soft lime w/ stks dolomite |
| 254-260 | Lime |
| 260-268 | Broken lime |
| 268-288 | Porus dolomite lime |
| 288-315 | Soft porus lime |
| 315-376 | Soft lime |
| 376-425 | Porus lime |
| 425-448 | Lime w/ sticky chalky lime |
| 448-462 | Coarse white sand |
| 462-485 | Dolomite lime |
| 485-607 | Med. soft lime w/ stk dolomite |
| 607-669 | Broken lime |
| 669-697 | Dolomitic lime w/ stks of soft lime |
| 697-731 | Med soft lime w/ dolomite stks |
| 731-749 | Med hard lime |
| 749-832 | Dolomitic lime |
| 832-925 | Lime med hard w/ dolomite stks |
| 925-953 | Med hard lime |
| 953-964 | Hard dolomite |
| 964-1006 | Med hard lime |
| 1006-1063 | Lime w/ hard stks of dolomite |
| 1063-1091 | Hard dolomite |
| 1091-1163 | Med hard lime |
| 1163-1208 | Hard dolomitic lime |
| 1208-1217 | Very hard dolomite w/ stks chert |
| 1217-1242 | Med hard lime-broken or chert |
| 1242-1274 | Hard dolomite lime |
| 1274-1295 | Dolomitic lime-hard |
| 1295-1315 | Very hard lime |
| 1315-1334 | Hd dolomitic lime |
| 1334-1340 | Dolomitic lime |

DRILLER'S LOG CONT'D

1340-1364 Med soft dolomitic lime
 1364-1371 Hd dolomite lime
 1371-1387 Hard lime
 1387-1398 Hard lime
 1398-1474 Soft lime
 1474-1550 Soft lime
 1550-1570 Broken lime w/ stks of anhydrite
 1570-1584 Lime w/ stk anhydrite & gyp
 1587-1621 Lime & anhydrite
 1621-1672 Dolomitic lime
 1672-1715 Med hard lime w/ soft stks
 1715-1762 Hard dolomite w/ stks gypsum-Broken
 1762-1802 Hard dolomite & gypsum
 1802-1839 Dolomitic lime
 1869-1920 Hard white limestone, seme gyp or anhydrite.
 1920-1929 Dolomite & gyp
 1929-1955 Hard dolomite & gypsum
 1955-2003 Dolomite lime w/ stks of gyp
 2003-2051 Hard lime w/ stks gyp
 2051-2095 Med hard lime
 2095-2146 Soft chalky lime
 2146-2295 Soft to med soft lime w/ anhy or gyp. Thin stks of dolomite lime
 2295-2305 Soft chalky lime & gypsum
 2305-2309 Hard dolomite w/ stks anhydrite
 2309-2419 Soft lime - white
 2419-2515 Med soft chalky lime
 2515-2628 Stdy chky lime
 2628-2701 Chalk w/ stks gray gmy marl & shale
 2701-2775 Gummy chalk & shale
 2775-2789 Gray chalk & shale
 2789-2809 Med hd chalk w/ gmy stks
 2809-2858 Chalk
 2858-2894 Chalk
 2894-2917 Chalk (very hard)
 2917-2938 Chalk w/ gray gmy marl
 2938-2973 Gmy chalk
 2973-3011 Gray gmy chalk w/ shale
 3011-3042 Gray shale & marl w/ stks chalk
 3042-3052 Chalk & shale
 3052-3081 Tight gray shale
 3081-3120 Gray shale w/ stk chalk
 3120-3161 Shale & chalk
 3161-3192 Tight gray shale & chalky stks
 3192-3230 Tight gray shale
 3230-3268 Shale
 3268-3282 Shale (hard)
 3282-3301 Gray shale w/ stk sand rock
 3301-3304 Gray shale w/ stk sand rock
 3304-3308 Tight shale
 3308-3310 Sand
 3310-3343 Sand-soft & stk shale & hard sand
 3343-3376 Sand & streaks shale
 3376-3435 Red sand w/ red clay like shale
 3435-3482 Varicolored siltstone w/ stk yellow sand
 3482-3505 Yellow sand
 3505-3532 Yellow sand, red clay & siltstone
 3532-3545 Red clay like sand
 3545-3577 Sand & hard red shale
 3577-3590 Brown & green sd w/ red stky shale & quartz
 3590-3591 Pink quartz
 3591-3598 Quartz
 3598-3615 Quartsite sd & tight gray shale
 3615-3626 Red & gray silty shale-stks quartz
 3626-3633 Quartsite sand & streaks shale
 3633-3643 Red & gray shale w/ stks of quartsite sand

SUN OIL COMPANY - ALTO ADAMS #1 - Sec. 15-9S-15E - GILCHRIST COUNTY, FLA.

DRILLER'S LOG CONT'D

- 3643-3664 Hard gray sand - stk red & gray shale & mica - cuttings
also showed some black qtz shale.
- 3664-3667 Black qtz shale
- 3667-3678 Gray slate shale w/ stks of quartzite
- 3678-3708 Black sdy shale w/ stks quartz & mica
- 3708-3721 Black slate shale w/ quartzite sd
- 3721-3735 Quartzite sd & shale
- 3735-3748 Blk shale & quartz
- 3748-3753 Blk shale & quartz

SUN OIL COMPANY - ALTO ADAMS #1 - Sec. 15-9S-15E - GILCHRIST COUNTY, FLA.

CORE RECORD

| <u>Core No.</u> | <u>Depth</u> | <u>Rec.</u> |
|-----------------|--------------|--|
| 1 | 3282-3289 | 6' Hd gray green f. mica pyritic fslif shale |
| 2 | 3289-3299 | 10' Hd gray green f. mica, pyritic fslif shale w/ fsl leaves & pieces of carbon. |
| 3 | 3299-3309 | 6' Top 2'. Same. 2nd 2'. A transitional gray shale laying between the shale above and the poke chip shale below. 3rd 20". Olive green waxy poker chip shale. Bot. 4". Gray green med coarse f. mica. argil sand. |
| 4 | 3309-3310 | 1' Gray green med coarse f. mica glauc. argil sand loosely cemented & porous. Some strks more indurated. Very shaley. Core show red color of the drlg. mud thruout indicating flushing action, probable reason for not being salty to the taste. |
| 5 | 3310-3313 | 18" Gray green med. coarse f. mica. glauc. argil. sand, loosely consolidated to well indurated in stks. |
| 6 | 3313-3318 | 42" Top 24". Same sand. Bot 18". Gray green waxy f. micac pyritic shale. |
| 7 | 3318-3328 | 2' Top 1'. Gray green glauc argil sd, loosely indurated to unconsolidated w/ anhydrite inclusions. Salty to taste. Mud stains thru out the core. Bot 1'. Gray green hd glauc qtzitic ss, tightly cemented. |
| 8 | 3328-3338 | 2' Top 14". Same Bot 10". Gray green f. grained, micac glauc & lig. sd, loosely cemented. |
| 9 | 3338-3343 | 3' Top. Gray green mica, glauc, argil. f. to med coarse qtz sd. Bot. Gray green glauc qtz sd. |
| 10 | 3343-3348 | 5' Olive green shale & qtz sd. |
| 11 | 3348-3356 | 1' Same. |
| 12 | 3356-3366 | 7' Top 2'. Olive green fissil shale. 2nd 1'. Olive green shaley sd. 3rd 1'. Olive green fissil shale. Bot 1'. Wh. argil qtz sd. |
| 13 | 3366-3376 | 3' Gray wh & yellow argil med coarse tight well indurated sd. |
| 14 | 3376-3380 | 30" Top 12". Yellow varigated argil fine loosely consolidated sd. Bot 18". Orange varigated argil med coarse loosely cemented sd. |

SUN OIL COMPANY - ALTO ADAMS #1 - Sec. 15-9S-15E - GILCHRIST COUNTY, FLA.

CORE RECORD CONT'D

| <u>Core No.</u> | <u>Depth</u> | <u>Rec.</u> |
|-----------------|--------------|---|
| 15 | 3380-3385 | 5' Top 1'. Same. Mid 18". Wh & reddish brown mottled hd tight qtz ss. Bot 32". Brown, white, & yellow mottled argil f. sd. |
| 16 | 3385-3395 | 5' Top 4'. Varicolored f. grained argil indurated sd. Bot 1'. Red f. grained soft argil sd. |
| 17 | 3395-3405 | 3' Same. |
| 18 | 3405-3415 | 5' Top 1'. Orange f. grain soft argil sd. Mid 2'. Varicolored hd argil ss. Bot 2'. Orange f. grain, soft argil sd. |
| 19 | 3415-3425 | 5' Varicolored f. to med. f. loosely consolidated argil ss. |
| 20 | 3425-3435 | 5' Top 1'. Multicolored argil soft f. sd. Mid 2'. Buff colored argil f. sd. Bot 2'. Varicolored argil f. sd. |
| 21 | 3435-3445 | 8' Top 3'. Yellow brown med hd, loosely consolidated med coarse ss. Mid 3½'. Varicolored med hd f. ss. Bot 18". Purple, white & brown varigated hd f. aren waxy claystone w/ stks hd white med coarse ss. |
| 22 | 3445-3455 | 10' Top 3'. Same. Mid 6'. Rainbow colored f. aren. hd wax, siltstone. Bot 1'. Yellow brown loosely consolidated argil ss. |
| 23 | 3455-3465 | 5' Varigated v. f. to coarsely aren. siltstone varying from soft to hd in stks. Mid 2'. Gray hd argil f. gr. ss. Bot 1'. Orange loosely consolidated sd. |
| 24 | 3465-3475 | 9' Red to yellow brown soft argil f. sd. |
| 25 | 3475-3485 | 8' Mustard yellow argil soft f. sd. |
| 26 | 3485-3495 | 5' Same. |
| 27 | 3495-3505 | 6' Same. |
| 28 | 3505-3510 | 8' Top 5'. Varigated hd f. aren siltstone Bot 3'. Brown soft argil qtz sd. |
| 29 | 3510-3525 | 9' Top 4'. Varigated loosely consolidated argil sd. Mid 1'. Varigated hd aren waxy siltstone. Bot 4'. Varigated argil loosely consolidated sd. |
| 30 | 3525-3530 | 2' Red varigated hd f. aren claystone. |
| 31 | 3530-3540 | 1' White hd argil well indurated ss. |
| 32 | 3540-3545 | 3' Top. Loosely consolidated white qtz sd in red clay matrix. Bot. Orange varigated clay matrix w/ loosely consolidated white qtz sd. |
| 33 | 3545-3555 | 6' Yellow brown to varicolored loosely consolidated argil med f. sd. |

SUN OIL COMPANY - ALTO ADAMS #1 - Sec. 15-9S, 15E - GILCHRIST COUNTY, FLA.

CORE RECORD CONT'D

| <u>Core No.</u> | <u>Depth</u> | <u>Rec.</u> | |
|-----------------|--------------|-------------|---|
| 34 | 3555-3562 | 7' | Top. Yellow brown argil med f. qtz sd. Bot. Yellow brown argil f. qtz sd. |
| 35 | 3562-3572 | 2' | Brown mottled silty sd w/ spots of gray black to purple clay & large rounded brown quartzite pebbles. |
| 36 | 3572-3577 | 4' | Top. Dark purple, black & brown f. mica waxy siltstone. Bot. Dark purple & brown f. mica aren waxy siltstone. |
| 37 | 3577-3582 | 18" | Top 12". Same but more indurated. Bot 6". Blue argil poorly consolidated slightly mica f. qtz sd. |
| 38 | 3582-3588 | 3' | Top 6". Purple argil slightly mica f. sd. Bot 30". Brown mottled argil med coarse to f. qtz sd w/ large quartzite pebbles. |
| 39 | 3588-3590 | 2" | Brown silty sd & quartzite pebbles. |
| 40 | 3590-3590½ | 2" | Finely xaline quartzite. |
| 41 | 3590½-91 | 2" | Finely xaline quartzite. |
| 42 | 3664-3666½ | 3" | Dark gray hard f. micac slatey shale w/ white f. grained sd strks across the core and white f. grained sd inclusions running lengthwise the core. |
| 43 | 3748-3753 | 5' | Black hd mica slatey shale w/ f. grained qtz sand lenses & f. xaline quartzitic inclusion. |

Percentage Core Recovery

| | <u>Cut</u> | <u>Rec.</u> | <u>Per Cent</u> |
|--------------------------|------------|-------------|-----------------|
| Soft Formation Core Head | 195' | 112½' | 57.75 |
| Hard Formation Core Head | 115½' | 73½' | 63.66 |
| Conventional Bbl. | 5' | 5' | 100 |
| Total | 315½' | 191' | 60.5% |