UTAH GEOLOGICAL AND MINERALOGICAL SURVEY
AFFILIATED WITH
THE COLLEGE OF MINES AND MINERAL INDUSTRIES
UNIVERSITY OF UTAH
SALT LAKE CITY, UTAH

# DRILLING RECORDS
## FOR OIL AND GAS IN UTAH

COMPILED UNDER THE DIRECTION OF

GEORGE H. HANSEN, H. C. SCOVILLE,
AND THE
UTAH GEOLOGICAL AND MINERALOGICAL SURVEY

FEB. 28TH
MDCCCL

*From the Records of the Oil and Gas Leasing Branch of the Conservation Division of the U.S. Geological Survey*

Bulletin 50
February 1955

Price $5.00

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: Geological Formations: Surface - Uinta, Bottom - Mesaverde

4 DSTs.

(No File) Bul. 50

DATE FILED Prior OGCC

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. X INDIAN

DRILLING APPROVED: --

SPUDDED IN:

COMPLETED:

INITIAL PRODUCTION:

GRAVITY A. P. I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH: 9500'

WELL ELEVATION: 5103'

DATE ABANDONED: 2-11-52

FIELD OR DISTRICT: ~~Bad Lands Clif~~f Uteland Butte 3/86

COUNTY: Uintah API # 43-047-20468

WELL NO. #1

LOCATION: FT. FROM (N) (S) LINE, FT. FROM (E) (W) LINE. C NW NW QUARTER - QUARTER SEC. 15

4

| TWP. | RGE. | SEC. | OPERATOR | TWP. | RGE. | SEC. | OPERATOR |
|---|---|---|---|---|---|---|---|
| 10 S | 18 E | 15 | Sinclair Oil & Gas Co. | | | | |

## GEOLOGIC TOPS:

QUATERNARY
Recent
Alluvium
Lake beds
Pleistocene
Lake beds
TERTIARY
Pliocene
Humboldt
Salt Lake
Miocene
Bishop conglomerate
Oligocene
Norwood
Eocene
Duchesne River
Uinta
Bridger
Green River 655'
Upper
Middle
Lower
Wasatch 4240'
Colton
Flagstaff
Almy
Paleocene
Current Creek
North Horn
CRETACEOUS
Montana
Mesaverde 7790'
Price River
Blackhawk

Star Point
Wahweap
Masuk
Colorado
Mancos
Upper
Middle
Lower
Emery
Blue Gate
Ferron
Frontier
Dakota
Burro Canyon
Cedar Mountain
Buckhorn
JURASSIC
Morrison
Salt Wash
San Rafeal Gr.
Summerville
Bluff sandstone
Curtis
Entrade
Moab tongue
Carmel
Glen Canyon Gr.
Navajo
Kayento
Wingate
TRIASSIC
Chinle
Shinarump
Moenkapi

Sinbad
PERMIAN
Kaibab
Coconino
Cutler
Hoskinnini
DeChelly
White Rim
Organ Rock
Cedar Mesa
Halgaite tongue
Phosphoris
Park City
Rico (Goodridge)
Supai
Bird Springs
CARBONIFEROUS
Pennsylvanian
Oquirrh
Weber
Morgan
Hermosa
Upper
Lower
Molas
Paradox
A
B
C
Manning Canyon
Mississippian
Chainman shale
Humbug
Joana limestone

Brazer
Pilot shale
Madison
Leadville
Redwall
DEVONIAN
Upper
Middle
Lower
Ouray
Elbert
Guilmette
Simonson dolomite
Sevy dolomite
North Point
SILURIAN
Laketown dolomite
ORDOVICIAN
Eureka quartzite
Pogonip limestone
CAMBRIAN
Lynch
Bowman
Tapeats
Ophir
Tintic
PRE-CAMBRIAN

ACME VISIBLE CROZET VIRGINIA #78846-8

|  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24-143 | NWSWNE 7-7S24E | Pu | Carter Oil Co. Gloria Bamberger #1 | Walker Hollow | 3-1-53 | 5566 | Uinta | Wasatch | Tegr 2893', Tew 5688'. | IP 3,400 MCFG PD, 2105 PSI, Tegr 5318-5323'. | 5,730 | GSI |
| 24-144 | N$\frac{1}{2}$SWNE 8-7S24E | Pu | Carter Oil Co. Gloria Bamberger #2 | Walker Hollow | 3-1-53 | 5629 | Uinta | Wasatch | Tegr 2860', Tew 5607'. | Detailed DSTs available. IP 89 bbls. pumped, 27° API, Tegr 5454-60', 5462-65', 5468-84'. | 5,640 | POW |
| 24-145 | C SWSW 8-7S24E | Pu | Carter Oil Co. O. L. Johnson #1 | Walker Hollow | 12-4-52 | 5704 | Duchesne River | Wasatch | Tegru 2852', Tegrm 3800', Tegrl 4750', Tew 5695'. | IP 159 bbls., 30.9° API, Basal Tegr 5520-5626-1/2'. | 5,716 | POW |
| 24-146 | N$\frac{1}{2}$SWNE 9-7S24E | Pu | Carter Oil Co. O. L. Johnson #2 | Walker Hollow | 3-19-53 | 5726 | Uinta | Wasatch | Tegr 2830', Tew 5574'. | 5 DSTs. | 6,111 | Abd |
| 24-147 | C SWNE 17-7S24E | Pu | California Co. #15 | Red Wash | 6-20-52 | 5709 | Duchesne River | Wasatch | Tegr 2775', Tew 5535'. | IP 102 bbls., 29° API, Tegr 5367-5413'. | 5,802 | POW |
| 24-148 | SWNENE 18-7S24E | Pu | California Co. #22 | Red Wash | 4-6-53 | 5720 | Duchesne River | Wasatch | Tegr 2873', Tew 5708'. | IP 160 bbls., 29° API, Tegr 5528-5638'. | 5,726 | POW |
| 24-149 | C NENE 19-7S24E | Pu | California Co. #18 | Red Wash | 9-12-52 | 5572 | Duchesne River | Wasatch | Tegr 2609' (Schl.) Tew 5360' (Schl.) Tew 5373' (Spl.) | IP 1,188 MCFG PD RP 1020# Tegr 4978-4986'. | 5,435 | GSI |
| ✓24-150 | SENE 7-7S25E | Pu | California Oil & Refining Co. #1 | Powder Springs | 1924? | 5500 | Uinta | Green River | — | — | 1,000 | Abd |
| ✓24-151 | C NENE 32-7S25E | S | Mid-Continent Petroleum Corp. #1 | Powder Springs | 2-12-52 | 5655 | Duchesne River | Mesaverd | Tegr 2160', Tew 4800', Kmv 6020'. | — | 6,222 | Abd |
| 24-152 | N NWSW 36-8S17E | S | Sun Oil Co. #1 | Castle Peak | 2-8-52 | 5014 | Uinta | Wasatch | Tegr 1633', Tew 6500'. | — | 7,794 | P&A |
| 24-153 | C NWSE 4-8S23E | Pu | Shell Oil Co. #33-4 | South Red Wash | 8-7-52 | 5382 | Duchesne River | Wasatch | Tegr 2600', Tew 5635'. | — | 6,140 | P&A |
| 24-154 | C SWNE 20-9S20E | Pu | Sun Oil Co. #2 | South Ouray | 3-14-53 | 4770 | Uinta | Mancos Shale | Tegr 1717', Tew 5210', Kmv 8100', Km 10,495'. | 15 DSTs. | 10,498 | Abd |
| 24-155 | C NENE 22-9S20E | Pu | Sun Oil Co. #1 | South Ouray | 10-26-51 | 4830 | Uinta | Mesaverde | Tegr (Transition) 1010', Tegr 1744', Tew 5204', Kmv 8120'. | — | 8,457 | P&A |
| 24-156 | SESENW 16-9S23E | S | Continental Oil Co. #1 | Chapita Wells | 1-2-53 | 5000 | Uintah | Mancos | Tegr 1610', Tew 4680', Kmv 6910', Km 9278'. | PB 9243-9082', 8850-8770', 8457-8301'. IP 30 bbls., 48° API, Kmv 8275-8301'. | 9,517 | POW |
| 24-157 | SWSWSW 27-9S25E | P | Roy M. Johnson #1 | Bonanza | 2-?-51 | ? | Green River | Green River | — | Bailer lost in hole. Unable to recover. | 2,080 | Abd |
| 24-158 | SWNWNW 34-9S25E | P | Roy M. Johnson #2 | Bonanza | 11-?-51 | 5035 | Green River | Entrada? | Tew 1100', Kmv 1975', Km shale 4400', Kfr 8410', Kd 8750', Jm 8800', Jc 9420'? | 3 DSTs. | 9,605 | Abd |
| 24-159 | NWNW 34-9S25E | P | Roy M. Johnson #3 | Bonanza | 6-17-52 | 5026 | Green River | Wasatch | Tew 1200'. | Pumped 1 bbl. oil, 21° API gravity with water at 919-25'. | 1,252 | Abd |
| 24-160 | SWSWNW 34-9S25E | P | Joh.son & Bunn #4 | Bonanza | 5-7-53 | ? | Green River | Wasatch | — | — | 1,212 | Abd |
| ✓24-161 | C NWNW 15-10S18E | Pu | Sinclair Oil & Gas Co. #1 | Badlands Cliff | 2-11-52 | 5103 | Uinta | Mesaverde | Tegr 655', Tew 4240', Kmv 7790'. | 4 DSTs. | 9,500 | Abd |
| 24-162 | C SWNW 10-10S22E | Pu | Seaboard Oil Co. of Delaware #1 | Bitter Creek | 3-31-49 | 5036 | Uinta | Wasatch | Tegr 1260', Tew 3970'. | DSTs with several gas shows. | 8,520 | P&A |
| 24-163 | This number was originally given to a duplication of Well No. 162 under an erroneous description. The error was discovered too late to renumber the following wells in the text and on the map for Uintah County. |  |  |  |  |  |  |  |  |  |  |  |
| 24-164 | NENENW 14-10S23E | Pu | Gulf Oil Corp. #1 | Southman Canyon | 2-28-53 | 5577 | Uinta | Mancos | Tegr 810', Tew 3995', Kmv 5730', Km 8255'. | Several DSTs with slight gas shows. | 8,502 | Abd |
| 24-165 | S SWSW 14-10S24E | Pu | Continental Oil Co. #2 | Watson | 10-10-51 | 5247 | Uinta | Wasatch | Tegr 1610'?, Tew 2800'. | — | 3,315 | P&A |
| 24-166 | S SWNW 24-10S24E | Pu | Continental Oil Co. #1 | Watson | 8-30-51 | 5417 | Uinta | Mesaverde | Tegr 280', Tew 2690', Kmv 3520'. | Tegr-Tew transition zone at 1680'. | 4,249 | P&A |

Note: Wells for each county are "spotted" on the accompanying map.

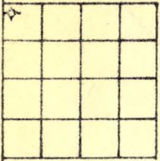
Note: For abbreviated legend data see explanation before tables.

# DENVER
# SAMPLE LOG COMPANY

43-047-20468

STATE: UTAH
COMPANY: SINCLAIR OIL COMPANY

COUNTY: UINTAH
FARM: UNIT
WELL NO.: #1



AREA: BAD LANDS
TOTAL DEPTH: 9500'

SURVEY: NW NW NW
COMMENCED: 10-22-52

SEC.: 15
COMPLETED: 2-11-53

T.: 10S
R.: 18E
PRODUCTION: D. & A.

ELEVATION: 5103 GR
CASING: 13 3/8" @ 275'

SCHLUMBERGER YES
LOG NO. 527

CORE DATA
NONE

FARM: UNIT #1
SINCLAIR OIL

SEC-15 TWS-10S RGE-18E

SURVEY: NW NW NW COMPANY

DRILL STEM DATA

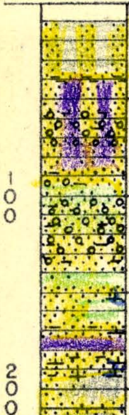
TESTING DATA

REMARKS

ALL TOPS AND LITHOLOGY CORRECTED

TO SCHLUMBERGER LOG

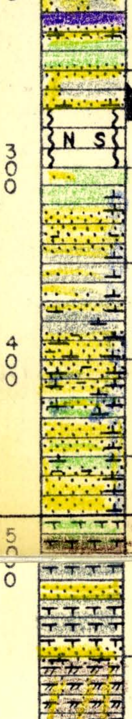
Smp start @ 10' in Uinta Fm



Sh,vcl,sdy,mic,hd,cly

Ss,gr-purp-red,v f,a,mic,v arg
Sh,do
Ss,grn,f/crs,a,mic, arg,sl cgl
V cgl,sl arg
Sh,purp,gr,mic,slty,sdy,ltl grn
Ss,grn-gr mott,purp,f/m,a,mic,arg
Much grn,some cgl,sh,do
Ss,grn,grn-gr,f/crs,a,v mic,cgl,sl arg
More arg
Ltl purp

Sh,grn,mic,some slty,ss,bf,gr,f/m,a,mic,lmy,fel
Much purp,f g,sh,grn,purp,mic,sdy
Ss,vcl,f/m,a,mic,sl lmy,arg
Sh,purp,grn,gr-grn,mic
Ss,vcl,v f/f,a,mic,lmy,arg
Sh,grn,gr-grn,purp,mic,some sdy
Ss,gr-bf,f/m,a,mic,ti,sl arg



Sh,purp,grn,mic,some sdy
Ss,grn,gr-bf,f/m,a,mic,a,lmy,arg
Sh,grn,purp,hd,mic
Ss,do,ltl lmy
Sh,grn,gr,ltl purp,hd,ltl sdy
Ss,gr-bf,grn-gr,f/m,a,v mic,ti,lmy
CSG 13 3/8" @ 275'

Sh,grn,gr,hd,mic,some slty
Brn,tan-gr,sl lmy
Ss,gr,grn-gr,v f/f,a,mic,ti,sl lmy
Arg
Sh,grn,gr-grn,sl lmy
Cons slty
Some sltst
Inbd gr,v v f,a,mic,slty ss,lmy
Ss,gr,grn-gr,f/crs,a,v mic,lmy,sl arg

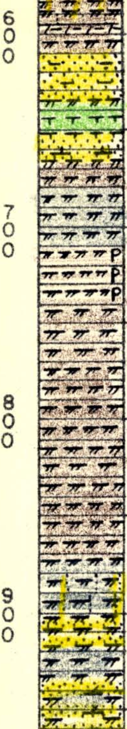
Sh,grn,gr-grn,mic,sl lmy
Ss,sh do
Ss,gr-tan,v f/f,a,mic,arg,sl lmy
Sh,gr,brn,mic,lmy
Ss,grn-tan,gr,v f/f,a,mic,sl lmy,arg
Gr-bf,slty

GREEN RIVER 480'

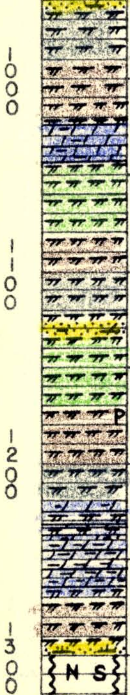
80

Marlst,dk gr-brn,brn mic

Ss,gr,f,a,v mic,lmy
Marlst,gr-tan,brn,gr,mic
Cons marl & marly sh
Ss,gr,f,a,mic,lmy
Marlst,gr/brn,mic,dol
Some inbd ss,do



Dol,tan/dk brn,f x dns,v marly,mic
Marlst,tan/brn,mic,dol
Ss,gr,grn-gr,v f/f,a,mic,lmy,arg
dol
Marl & marlst,gr-tan,brn,mic,
Lmy,most marlst
Ss,gr,f/m,a,mic,lmy,fel
Marlst,tan,brn,gr,mic,dol
Cons marl
dol
Marlst,ltl marl,tan,brn,mic,
Sl pyr
Marlst
Marl,tan/dk brn,dol,mic,tr pyr
Marl,marly sh,tan/v dk brn
Marl,marlst,tan/v dk brn,mic,
gr
Most marl
Much brn-blk
Marl,brn/blk-brn,mic,dol
brn
Some marly sh,brn,dk brn,blk-
Marl,marlst,brn,dk brn,mic,dol
ltl nokolite
More marlst
Marly sh,brn,dk brn,dk gr,ltl
marly,some inbd ss
Marly sh & marly,gr,tan,brn,
dol w/inbd gr,f,a,mic,ss
Some grn & purp
Ss,gr,f,a,mic,sl dol mic,sl dol
Marly,sh,do,ss,gr,grn,purp,f,a
Inbd sh



Marl & marly sh,gr,grn,tan,brn
dol
Marl,ltl marlst,tan,brn,gr,grn
mic,dol
dol
Marl & marlst,tan,brn,gr,mic,
Marl,tan,brn,dol
Dol,gr-brn,v f x,dns,mic,sl arg

Marl,tan,brn,dol
Marl,marlst,gr-brn,tan,mic,dol
Most brn
More marl

Marl,marlst,gr-brn,brn,dol,mic
dol,sl arg
Ss,gr-grn,grn,purp,v f/f,a,mic,sl
Marl,gr-brn,brn,mic,dol

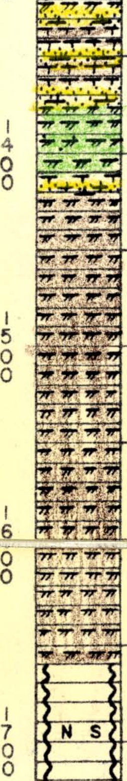
Marl & marlst

Tr pyr,gr/brn

Tr nokolite

dol
Marl & marly sh,gr/brn,mic,
Dol,gr/brn,v f x,dns,marly brn
Inbd marl & marly sh,brn,gr-
V marly

Bcm dol,marl
Tr inbd ss
Marl & marlst,gr-brn,tan,brn
Ss,gr,grn,v f/f,a,mic,lmy



Marl,brn,tan,mic,dol,ss,gr-bf,
v f/f,a,mic,lmy
Marl,tan,brn,gr mic lmy
Ss,tan-gr,v f,a,mic(almost sltst)
Marl,brn,gr,grn-gr mic
Inbd ss & marl,do
Marl,brn,tan,tan-gr mic,dol
Cons slty & sltst mic,slty
Marl,marly sh,brn,gr,grn-gr
Ss,gr-bf,v f,a,mic,lmy
Marl & marlst,brn,dk brn,dol
Nokolite

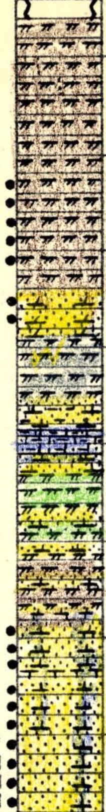
More marl
More marlst

V lean o
Some nololite
Marl,marlst,tan,brn,blk-brn
dol,v lean o,nokolite
Mic

More marlst,brn/dk brn

V lean o

Brn & blk-brn,more marl,lean o
Tr ss



Marlst,ltl marl,brn/blk-brn dol,lean o

Tr inbd gr v f/f,a,mic,ss

More marl

Marl,ltl marlst,brn/blk dol, lean o

1800

Blk-brn,more marlst

0

Ltl marl,sl o

More marl

S Ss,gr,f,a,mic,dol,v spt brn o st

S 1900

Marlst,brn,gr,mic,dol

Ltl mic,slty

mic,dol

Marlst,ltl marl,grn,grn-gr,brn,

Ss,gr,grn-gr,v f/fa,mic,lmy,some arg

mic,marly

S Ls,gr,grn-gr,tan,v f x,dns,slty,

S Ss,gr,grn-gr,v f/f,a,mic,ti,lmy

Marlst,gr,brn,grn-gr,mic,dol

2000

Ss,gr,v f/f,a,mic,lmy

S Marlst,gr,brn,grn-gr,mic,dol

Inbd ss,do,dol,mic,marlst,do

Marlst,gr,tan, brn,mic,dol

Ltl inbd gr lmy ss,do

SP Ss,gr,v f/f,a,mic,lmy,spt brn o st

SF

S Marlst,gr/bf,mic

S Ss,gr,bf,v f/f,a,mic,ti,lmy,spt brn o st

S

S 21

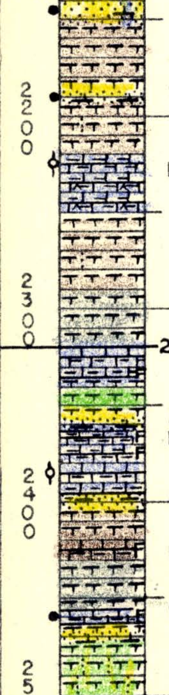
brn o st

SOP Ss,gr,f,a,mic,sl lmy,fri,ltl spt

SOM Some m g

S M Tr st

S M



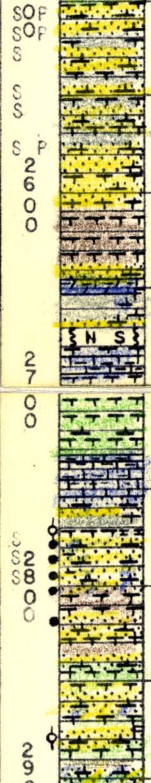
Marl,marlst,gr/brn,some mic

More marlst,mic
Ss,gr,v f/f,a,mic,lmy,spt brn o st
Marl & marlst,gr,tan,brn,mic
Tr inbd ss
Some bf & tan oo
Ls,bf,tan,brn,v f x,dns,marly,v f
Some mic,sil

Marl,marlst,tan,brn,gr,mic
More marlst,ltl sil
More marl,tr inbd ss
Marl,bf,brn,grn,gr,some mic

Marl & marlst
OSTRACODE ZN "A" 2320'
Ls,bf,gr,grn-gr,brn,v f x,dns,v,
Ost coq (Erpetocypris) marly
Marl,marlst,do
Ss,gr,v f/f,a,mic,lmy
Ls,bf,grn-gr,v f x,dns,marly,ost

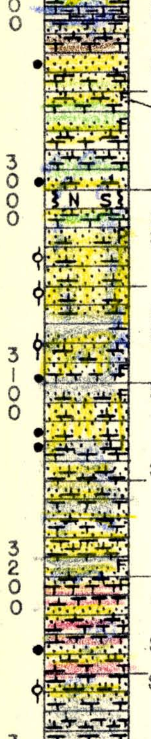
Some mic,f sdy,tr v f oo
Ss,gr,v f/f,a,mic
Tr spt o st,marl,gr/brn,mic
Some bf,ltl marlst
Ls,bf,brn,v f x,dns,marly,ost coq
Marl,ltl marlst,gr/bf,ltl grn
marly sh tr o st
Ls,bf,f x,dns,marly,some ost coq,
Marl,marlst,gr,grn,mic,ss,gr,
Marl & marlst,do f,a,mic,lmy
Ltl inbd ss



Ss,gr,f,a,mic,lmy,sl fri

Ltl inbd gr,mic,marly sh (mic
Marl,marly sh,gr,dk gr,grn-gr
Ss,do
Inbd marl & marly sh,do
Ltl marlst,gr/bf
Ss,gr,gr-bf,f,a,mic,sl lmy

Inbd marl,marly sh,gr,grn,mic
Marl,marly sh,gr,grn-gr mic
Marlst,marl,gr/brn,some mic
Most marlst
Ss,gr,f,a,mic,sl lmy
Dol,bf,gr,v f x,dns,marly,lmy
Ost coq,ltl o st,sh,grn,gr,red
Ss,gr,bf,f,a,mic,sl lmy (mic,lmy
(x,dns,marly
Marl,marly sh,gr/brn,ls,bf,f
Marl,marlst,gr/brn,mic
Some mic,some grn,grn-gr
Ss,gr,gr-bf,grn-gr,f,a,mic,lmy
Marl,marlst,brn,gr,mic
Ls,tan/brn,v f x,dns,marly
Some inbd ss
Ls,do,ltl gr,ss,gr,f,a,mic,ti,lmy
V f,v mic,sh,gr,grn,mic,brn,
Marl,grn-brn,mic,dns oo (marly
ls,ss,do,ltl o st
V v f/f,sl arg
Marly sh,marl,grn,gr,brn,mic
Ss,gr,v f/f,a,mic,ti,lmy,spt brn o
Marl,marlst,gr/brn,mic,grn (st
Marly sh,ss,gr,f,a,mic,ti,lmy
Marl,marly sh,marlst,brn,grn,
Ss,gr,tr grn,f,a,mic,lmy (mic
Marl,marly sh,brn,grn,red,mic
Ss,gr,brn-gr,f,v f,a,mic,lmy,ost,
Marl,marly sh,bf,grn,brn,(oo
Ss,do (mic



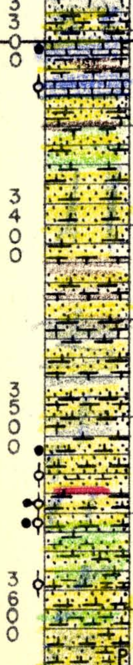
Ls,bf,tan,brn,v f x,dns,marly
Marly sh,marl,brn/grn,mic,ss,
Marly sh & gr,f,a,mic,lmy
Ss,gr,bf,f,a,mic,ti,lmy,spt marl,do
Marl,marly sh,brn, brn o sat
grn,mic,inbd w/ss,do
Tr ost

Tr v o marl
Tr ost,v spt o st
mic
Ss,do,marly sh,marl,grn,brn,bf,red
Ss,gr,bf,v f/f,a,mic,ti,lmy,tr pyr
Tr oo

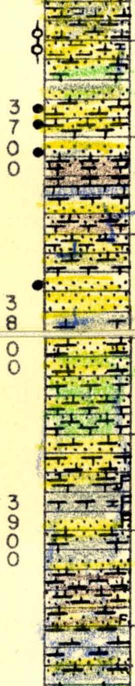
Tr v f oo
Sh,gr,grn,brn,mic,sl lmy
Ss,gr,gr-bf,v f/f,a,mic,ti,lmy
Ltl v f oo st
Tr ost,marl,brn,gr mic,brn o
Ss,gr,v f/f,a,mic,lmy,tr ost

Tr spt o st mic
Marl,marly sh,gr,dk gr,grn-gr,
Ss,do,inbd,most f g

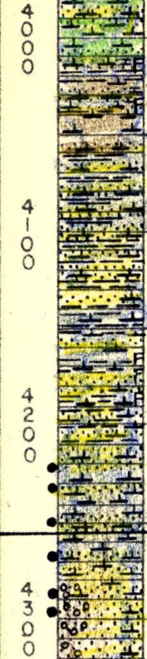
Ltl ost,marl,some purp-red &
grn sh
Tr gil str in ss
Tr ost cog
Marl,marlst,gr,tan,brn ss,do
Marl,marly sh,gr,red,mic,lmy,
Marl,marly sh,do
Ss,gr,f,a,mic,spt o st blk,brn
V f/f,grn,marly sh,lmy sh,gr,
Ss,gr,v f/m,a,mic,tr st,ltl oo
w/inbd ss,do
Marl,marly sh,gr,grn,brn,mic,



Some or-pk m g ss,ss,do
Inbd marl,ltl marlst
05 Ls,brn,gr,f x,dns,ost coq,(Cand-
Marl,marly sh,gr, ona)spt o st
Ls,brn,f x,dns, grn,brn,mic marly
Ss,gr,bf,f,a,mic,pisolitic & ost
Sh,marly,gr,grn,brn,red o st
Ss,gr,v f/f,a,mic,ti,lmy
Sh,gr,grn,red,mic,lmy
Some slty,ss,do
OSTRACODE ZN "B" 3305'
Ltl grn
Most v f
Marly sh,marl,grn,gr,brn,mic
Ss,gr,tan-gr,v f/f,a,mic,lmy
Marl,marly sh,gr,brn,grn,mic
Ss,do
Sh,grn,gr-grn,mic,lmy,brn,gr,marl
Ss,gr,v f,a,mic,ti,lmy
Marl,marly sh,gr,brn,grn,mic
Ss,do,v f/f,tr oo
Inbd marl,marly sh,do lmy,marl
Some red ss,sh,grn,gr,red,mic,
Ss,gr,v f/f,a,mic,lmy,arg,spt o st
V lmy gr,gr-tan,marly
Some oo,carb str,spt o st,sh,
Ss,do
Inbd grn,gr,mic,sl lmy sh
Ltl carb str
Ltl inbd dns oo ls
Ltl spt brn o st
sh
Inbd grn,gr,gr-grn,mic,sl lmy

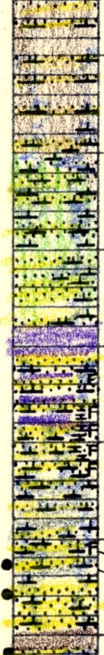


Ltl carb str
Tr oo,ltl inbd sh,do,tr red
Tr dns oo ls
Sh,gr,gr-grn,grn,mic,marly
Ss,gr,v f/f,a,mic,ti,lmy
Tr spt o st
V lmy,sh,gr,grn,brn,mic,marly
Ss,gr,v f/f,a,mic,ti,lmy,spt o st
Marl,marly sh,gr,grn-gr mic
Ls,tan,brn,gr,v f x,dns,marly ,lmy
Marl,marly sh,do,ss,gr,f,a,mic
Marl,marly sh,gr,grn-gr,grn, mic
Ss,marl,marly sh,do,inbd
Ss,gr,gr-bf,f,a,mic,ti,lmy,spt o st
Sh,gr,grn,mic,marly,sl lmy
Ss,gr,f,a,mic,ti,lmy,tr carb str
Marly sh,marl,dk gr,brn,mic
Ss,sh,do
Ss,gr,f,a,mic,ti,lmy,tr o st
Inbd dk gr/brn,marly sh
Sh,dk gr,gr,mic,marly,tr ost coq
Ss,gr,gr-bf,v f,a,mic,lmy,tr ost
Sh,dk gr/dk brn,mic,marly
Ss,do,v f/f g
Inbd gr,grn-gr,mic,lmy sh,lmy
Sh,gr,grn,dk gr,mic w/inbd ss,do,
Ss,gr,v f/f,a,mic,ti,v lmy,ost
Sh,gr,dk gr,gr-grn,mic,lmy
Ss,gr,v f,a,mic,lmy
Sh,do



Ss,do,v f/f g
Sh,do
Ss,gr,v f/f,a,mic,lmy
Ltl inbd ost coq,sh,blk,sl lmy
Ss,tan-gr,v f/f,a,mic,lmy
Inbd sh,blk,dk gr,mic,lmy
Sh,gr,dk gr,mic,lmy
Ss,gr,v f/f,a,mic,lmy st
Sh,blk,dk gr,mic,lmy,ss,do,brn o
Sh & ss do,no st,tr ost
Inbd sh,tr ost coq
Ss,gr,f,a,mic,ti,v lmy
Sh,blk,gr-blk,brn-blk,mic,lmy
Inbd ss & sh,do
Sh,do
Ss,gr,v f/f,a,mic,ti,sl lmy
Sh,blk,gr-blk,mic,lmy
Ss,gr,f,a,mic,sl lmy
Sh,do,ost in sh
Ss,do marl
Sh,blk,gr-blk,mic,lmy,ltl brn ost
Inbd ss,gr,brn-gr,f,a,mic,lmy

Ss,gr,brn-gr,f,a,mic,lmy lmy
Brn dead o st,sh,blk/dk gr,mic
Ss,sh,do WASATCH 4255'
Ss,gr,f/sl m,a,mic,lmy,ltl spt o st
55 Sh,gr,dk gr,grn,blk,red,mic,lmy
Ss,gr,f/m,a/s-a,mic,lmy,brn o sat
Inbd sh,do,more purp-red
Ss,gr,f/crs,a/s-a,mic,sl lmy,ltl
cgl g,tr o st



Sh,grn-gr,red,mott,mic,cly
Ss,gr,f/crs,a/s-a,mic,lmy,sh,do
Some choc-red
Ss,do,sh,do
Much vcl sh,some mott
Ss,gr,f/m,a,mic,lmy
Sh,grn,red,mic,sl lmy
Inbd ss,gr/bf,do

4400

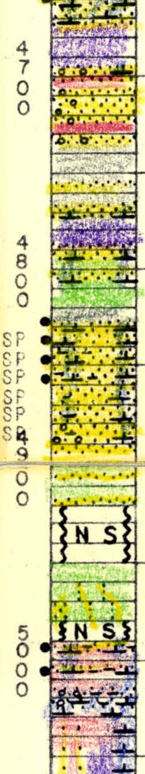
Ss,gr,f,a,mic,ti,lmy
Sh,purp-red,grn,gr,mic,sl lmy
Ss,do,f/crs g
Sh,grn,purp-red,mic,lmy,inbd ss,do
Ss,gr,f,a,mic,ltl crs,sl lmy
Sh,purp-red,gr,grn,mic,inbd ss,do
Sh,grn,purp-red,gr-grn mic,v sl lmy
Ss,do
Sh,purp-red,grn,gr-grn,mic

4500

Ss,gr,v f/f,a,mic,lmy
Inbd sh,do,tr ost coq
Sh,purp-red,brn-red,dk grn,mic
Ost coq
Ss,gr,f/crs,a,mic,lmy
Sh,do,ost coq
Ss,sh,do,sh ls lmy
Sh,grn,purp,purp-red,gr-grn,mic, lmy

4600

Ss,gr,v f/f,a,mic,ti,lmy
Sh,do,ltl ost
Ss,do,spt brn o st inbd w/sh,do
Sh,dk grn,gr-grn,purp-red mic
Ss,do,tr spt o st

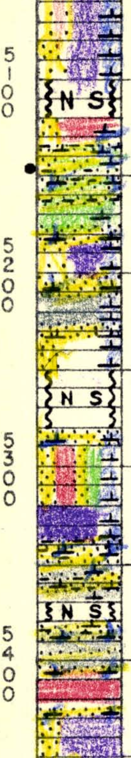


Ltl crs g
Sh, purp-red mic
Grn, gr-grn g
Ss, gr, f/crs, a/s-a, mic, lmy, some cgl
Inbd purp-red sh, ost coq much
Non lmy cvg
Sh, dk red, purp-red, mic sh
Ss, do, sh, grn, purp-red, mic, cly 4850'
cgl g
Inbd ss, gr, f/crs, a, mic, some
Ss, gr, gr-bf, v f/f, a, mic, sl lmy
Sh, dk purp-red, purp, mic
Some grn, ss, gr, brn-gr, f/crs, a,
Sh, do mic, lmy
Ss & sh, do

Ss, gr, f/crs, a/s-a, mic, lmy, spt brn
dead o st
Some arg vps

Sl lmy
Most f g
Some cgl g sdy
Sh, purp-red, dk choc-red, mic, Ltl
Much grn, inbd ss, gr, grn-gr, f,
a, mic, lmy

Sh, purp-red, grn, mic, some mott
Ltl inbd ss
Tr sdy
spt dead o st, sh, do
Ss, gr, tr red, f/crs, a, mic, lmy, arg,
Inbd ss, do
Ss, gr, f/crs, a, mic, sl cgl, arg, lmy
Tr red, sh, purp-red, red, grn, mic
Ltl slty, some lmy lmy



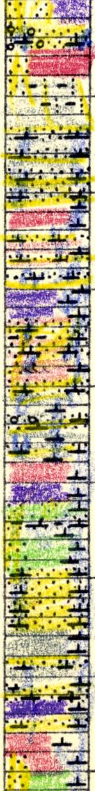
Tr sdy
Tr slty

Sh,dk red,grn,gr,mic,lmy,ltl sdy
Inbd ss,gr,red,v f,a,mic,arg
Ss,gr,brn,grn,f/m,a,mic,arg,lmy,
Ltl purp-red,sh,do (spt o st
Ss,gr,purp-red,v f,a,mic,arg,lmy,
Ss,gr,gr-bf,f/crs,a,mic,lmy (sh,do
Sh,dk purp-red,red,mic,tr slty

Ss,gr,gr-bf,tr red,v f/f,a,mic,lmy
Sh,purp-red,grn,gr-grn,mic,sl lmy
Ss,gr,v f/f,a,mic,ti,lmy
Sh,do,tr sdy
Ltl sdy

Ss,gr,gr-bf,v f/f,a,mic,ti,lmy
Sh,purp-red,grn,gr-grn,mic,some,
Cons sdy (sdy,ltl lmy
Some almost shy ss
Sh,purp,red,grn,gr,mic,sl lmy,cly
Ss,gr,red,f/crs,a,mic,some arg,lmy
Tr ost lmy
Sh,do,ss,gr,purp-red,f,a,mic,arg,
Some vcl g,sh,do some brn-red

Sh,do,ss,do
Sh,vcl,some lmy,ltl inbd ss (sh,do
Ss,red,gr-red,v f/f,a,mic,lmy,arg,
Most purp-red & red
Ss,gr,gr-bf,f/m,a,mic,lmy
Sh,purp-red,dk red,ltl sdy



Ltl more sdy cgl
Ss,gr,red,f/crs,a/s-a,mic,lmy,sl
Sh,do

5500

Some sdy
Much vcl,ltl inbd purp-red,f,a
mic,arg ss
Inbd ss,gr,ltl red,f,a,mic,lmy

Ss,gr,red,f,a,mic,ti,sl lmy
Sh,vcl,ltl lmy,tr anhy

Ltl inbd ss,gr,red-gr,red
Much vcl g

5600

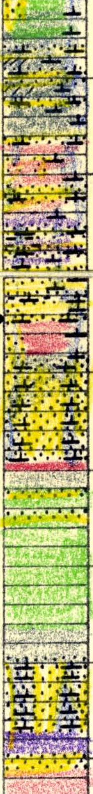
Sh,purp-red,red,grn,gr-grn,mic,lmy
Ss,gr,red,f/crs,a,mic,lmy,vcl g
Some arg
Sh,do,ltl slty,mic mic,arg,lmy
Tr gyp,ss,red,gr-red,v f/f,a,
Sh,vcl,some lmy sl cgl
Ss,gr,w/vcl g,f/crs,a,mic,ti,lmy,
Much red,sh,do

5700

Ss,red,ltl gr,v f/m,a,v mic,lmy,sh
vcl,sl lmy
lmy
Some sdy,ss,red,gr,f,a,mic,arg
Sh,purp-red,red,grn
Ltl sdy
Ss,purp-red,gr,f/crs,a,mic,lmy,vcl
g
More gr-tan,sl cgl
Much vcl g,sh,do

5800

lmy,sh,do
Ss,purp-red,gr,w/vcl g,f/m,a,v mic
Ss,do,f/crs,arg,ltl red
Sh,vcl,some lmy
Inbd ss,do
Sh,purp-red,grn,gr-grn,red,mic,lmy
Ltl f sdy



5900

g,f/m,a,mic,lmy
Inbd ss,red,purp-red,gr,w/vcl
Tr anhy,ss,red-gr,do
Sh,vcl,some f sdy,tr anhy
Ss,red,gr,v f/f,a,mic,lmy,sh,do

Ss,do,sh,vcl,tr f gran anhy
Some f sdy,some lmy
Ss,gr,red-gr,f,a,mic,lmy
Sh,purp-red,red,brn,mic,some lmy
Ss,gr,f/m, a,mic,ti,lmy
Some arg,inbd w/sh,do,tr anhy
Some red,some vcl g

6000

ltl sdy,mic
Much red,some arg,sh,vcl,lmy,
Ss,red,gr,bf,f,a,mic,lmy,brn o st,
Ltl sdy
sh,do
Ss,gr,red-gr,f,a,mic,ti,lmy,vcl g
Much v f,ltl arg
vps
Some red,f/crs
6050-6200'
Most f g
Some vcl g
Sh,var shades red,grn,gr-grn,mic
More vcl,tr sdy
do
Ss,gr,red-gr,f,a,mic,lmy,inbd sh,
Sh,vcl,some mott,mic,sl cly

S
S
S
S
S
S
S

6100

Tr sdy
Much grn,some lmy

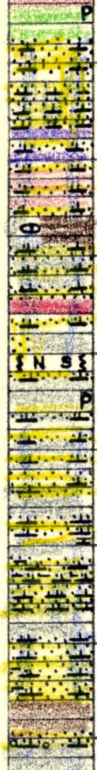
6200

Ss,gr,grn-gr,f & v f,a,mic,lmy

F/m g

S
S
S
S
S

Sh,purp-red,red,grn,mic
Ss,gr,f/crs,a,mic,w/vcl g,sl lmy
Sh,do



S S S S S S S
6300

Tr pyr
Ss,gr w/vcl g,f,a,mic,lmy
Ltl red
V mic,ltl inbd vcl sh
V lmy
Sh,purp-red,red,brn-red,ltl grn,mic
Some inbd ss,do
Some red ss
Most v f/f g
Tr red dns ls nod

6400

Ss,gr,red,f,a,mic,lmy
Inbd vcl sh
Sh,vcl,much cly,mic
Inbd ss,do
Ltl sdy
Ss,gr,f,a,mic,lmy,sh,purp-red,purp,red,grn,mic,cly
Tr pyr

6500

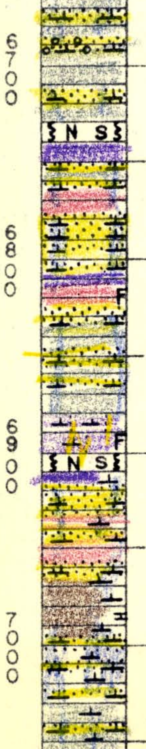
Ss,do,v f/f,sh,do,tr dk gr mic sh
Tr anhy,inbd ss,do
Ss,gr,v f/f,a,mic,lmy,ltl grn-gr
Sh,vcl,mic,much cly
Ss,gr,ltl red,v f/f,a,mic,lmy
Sh,do,tr red dns ls

S S S

Ss,gr,v f/f,a,mic,ti,lmy,sl arg
Cons red,f/m g,arg
Most g,v lmy
Sh,vcl,mic

6600
S S S S

Ss,gr,f/m g w/vcl g,a,mic,lmy
Most v f/f
Ltl brn,sl arg
Sh,vcl,mic,most hd cly
Ss,gr w/vcl g,f,a,mic,lmy,tr red
Ltl crs cgl,sh,do



Ss,gr,f/m,a,mic,lmy,sh,vcl,mic
Ss,do,f/crs,some cgl g
Sh,vcl,some mott

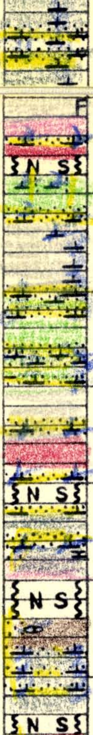
Ss,gr,f/m,a,mic,lmy,ti
Sh,vcl,sl mic
gr mic
Sh,purp-red,red,dk grn,gr-grn,dk
Ss,gr,f,a,mic,lmy,sh,do
Ss & sh,do
Ss,gr,dk gr,f/sl m,a,mic,lmy

Inbd w/vcl sh

Sh,purp-red,red,grn,gr-grn,mic
Ost
Ss,gr,f,a,mic,lmy,some vcl g
Ltl crs g,sh,do
Ss,do
Sh,purp-red,grn,gr,mic,most cly
Inbd gr,v f/f,a,mic,lmy ss,vcl
g
Some mott
Ltl inbd ss
Large ost

Sh,purp-red,grn,some mott,lmy mic
Ss,gr,tr red,f,a,mic,lmy,ltl vcl g
Sh,do,tr lmy
Inbd ss,do

Tr brn ost ls
sl m g
Ss,gr,f,a,mic,lmy,ltl vcl g,ltl
Inbd sh,dk red,purp-red,grn,
Ltl red,brn,sh,do
gr mic
Ss,gr,red,f,a,mic,lmy,some arg,sh,
do
Ss,do,v f/f g,sh,vcl,most cly,mic



some lmy
Ss,gr,tr red,f/m,a,mic,lmy
Inbd sh,do
Sh,vcl,mott,some lmy,sl mic

7100

Tr ost coq
sh,do
Ss,gr,pk-red,grn-gr,f,a,mic,lmy,
Sh,do,some lmy,ltl inbd gr,f/crs,
Ss,do,most f,a,mic,lmy,ss,vcl g
Sh,vcl,hd,some mott g,tr dk gr
some lmy,mic

7200

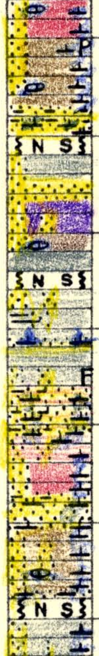
vcl g
Ss,gr,dk gr,v f/crs,a,mic,lmy,cons
Inbd sh,do
Sh,vcl,mott,sl mic
Ss,gr,grn-gr,f,a,mic,lmy,vcl g
Tr red
Inbd vcl,sh,ltl arg
Sh,vcl,mic,hd,some mott
Ss,do
Sh,do

7300

Ss,gr,red,v f/f,a,mic,v ti,lmy
vps
Ss,do,sh,vcl,some mott vps
Ss,gr,dk gr,tr red,f/m,a,mic,lmy vps
Sh,vcl,mott,tr sdy,tr red-tan,dns,
Tr inbd ss,gr,pk Ts
vps
ls nod vps
Sh,vcl,mott,ltl sdy,sl mic,tr dns
Ss,brn,gr-brn,f,a,mic,v lmy vps

7400

Inbd vcl sh vps
Inbd ss,gr,f,a,mic,lmy vps
Ltl sdy



Sh,vcl,hd,ltl sdy,tr red-tan,dns ls,some lmy

Tr pyr

Some sdy,purp,purp-red,red,grn mott

Tr red-brn, dns ls nod

Ss,red,red,gr,v f/f,a,mic,arg,lmy

Sh,do

7500

Sh,vcl,hd,ltl sdy

Ss,purp red gr,f,a,mic,arg,lmy

Sh,do,ltl sdy,tr gr-blk mic

More sdy

Ltl sdy,tr brn dns ls nod

7600

Sh,vcl,hd,some sdy

Ltl gr-blk,hd,mic

Ss,gr,v f/f,a,mic,lmy

Sh,vcl,hd,some lmy,ost in sh

Some sdy

Ss,red,gr,f/sl m,a,mic,lmy,some arg

Ltl vcl g

Sh,vcl,hd,some sdy,ltl lmy

Ltl sdy

7700

Dns ls nod,ss,red,gr,v f/f,a,mic,ti,lmy,arg

Sh,vcl,hd,ltl lmy,tr sdy

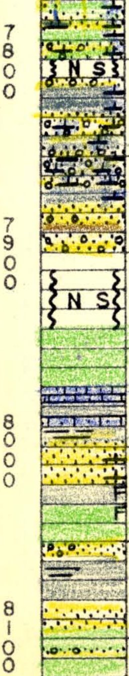
Some sdy

Tan dns ls nod

Ss,red,red-gr,gr,f,a,mic,lmy

Sh,vcl,hd,some mott, ltl sdy,some lmy

Tr ss

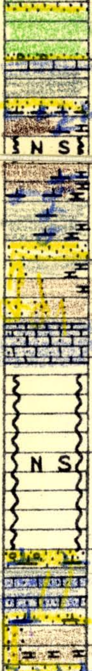


Ss,gr,grn-gr,f,a,mic,ti,lmy
Sh,do cgl
Ss,gr,f/crs,a/s-a,mic,s&p,lmy,some
Ss,do,sh,vcl,hd,mic,sl lmy
Ss,gr,f/crs,a/s-a,mic,lmy,cons blk
g,cgl,some vcl g
Sh & ss do
F/v crs g,blk & vcl g nod,lmy
Sh,vcl,ltl sdy,tr gyp,tan dns ls
Ss,gr,tan-gr,f/crs,a/s-a,mic,lmy,
Some cgl g,sh,do blk g
Ss,do,f/v crs,much cgl
Sh,vcl,some dk gr,mic,hd,ltl sdy
some fl
Sh,grn,gr-grn,ltl purp-red,gr,mic
Tr hd blk sh
Some sdy,tr ss
Ls,gr-brn,v f x,f,sdy,dns
Inbd sh,do,more red,sl lmy,ss
Sh,dk gr,gr-blk,red,grn,gr-grn,hd
Gr,f/m,ltl crs,a,mic,sl lmy
Sh,vcl,some dk gr-blk w/abd ost,
mic 20'
Some lmy smp
Ss,gr,grn-gr,red,f/v crs,a/s- lag
a,mic,lmy,vcl & cgl g
Sh,do,ltl hd,blk mic,sh vcl
Ss,gr,grn-gr,f/crs,a,mic,lmy,vcl g
Sh,vcl,hd,mott
Inbd ss,do,sl cgl

8200

8300

8400

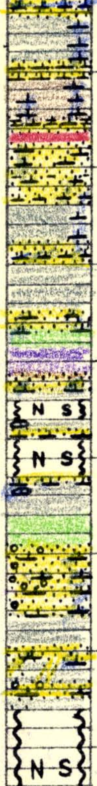


Ss,brn-gr,red,f,a,mic,ti,lmy,sh,do
Some mic lmy,sl cgl
Tr gyp,ss,gr,f/crs,a/s-a,mic,
Ls,tan-brn,v f x,dns,sh,vcl,hd,
Ltl sdy some mott
Ss,gr-brn,f,a,mic,v lmy
Sh,vcl,some lmy,tr tan dns ls
Sh,vcl,hd,ltl lmy,tr sdy,tr dns ls
Lmy,ltl tan dns ls

Ltl tan dns ls
Ss,gr,tan-gr,f,a,mic,ti,v lmy
Sh,vcl,hd,nod,ltl sdy,ltl gr-tan,
Ltl inbd ss,do v f x,dns ls
Some sdy
Ls,gr,tan-gr,v f x,dns,some v f,
sdy
Sh,vcl,some mott

vps
8400'-8570'

Ss,gr,f/crs,a/s-a,mic,lmy,some cgl
Sh,vcl,hd,ls,gr,tan,v f x,dns,f,
Inbd vcl sh sdy,ltl inbd ss
Ss,gr,dk gr,v f/f,a,mic,v ti,lmy
Sh,vcl,some mott,ltl sdy
Inbd tan,brn,dns nod ls



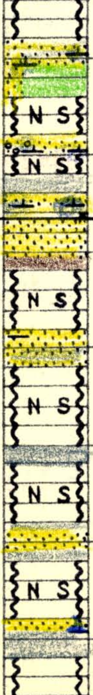
Ss,gr,dk gr,f,a,mic,ti,lmy,arg
Sh,purp-red,gr-grn,grn,mic,nod, ls
lmy
8500
Ss,gr-tan,v f,a,lmy,ti(almost sdy
Sh,do
Inbd ss,do,v f/f g,lmy dns ls
Ss,gr,f,a,mic,ti,lmy,inbd gr-tan,
Inbd vcl sh

Some red,quite arg
V lmy
Sh,vcl,hd,nod,ltl lmy
8600
Ss,gr,v f/f,a, ti,v lmy
Inbd sh,do
Sh,vcl,hd
Ss,gr,f/m,a,mic,ti,lmy,sl s&p
Sh,grn,purp-red,gr-grn,hd,nod
Ltl gr,some mott
Ss,gr,f/sl m,a,mic,ti,lmy
Most v f/f,v lmy,sh,do

8700
Sh,vcl,hd,nod,dns ls nod,ss,gr,v
f/f,a,mic,ti,v lmy
tr ls nod
Sh,do,sh,grn,purp-red,yel,hd,nod
Tr sdy
Tr lmy
Ss,gr,f/crs,a/s-a,mic,lmy,sl cgl

Abd blk g,much blk mic
Most f g
8800
Sh,vcl,hd,nod
Ss,gr,v f/f,a,mic,lmy
Ltl crs g,sh,do,some sdy
Ss,gr,f/crs,a/s-a,lmy,mic,some
Sh,vcl,some sdy,blk g,ltl cgl
hd

8900



ti, lmy
Sh,vcl,ltl sdy,ss,gr,v f/f,a,mic
Sh,grn,gr-grn,red,mic,ltl sdy

Sh,do,ss,gr,f/crs,a/s-a,mic,lmy,
sl cgl,some blk & vcl g
Sh,vcl,some dk gr & brn-gr mic
lnbd ss,do

82
Gast,ss,gr,f/crs,a/s-a,mic,sl
s&p MESA VERDE?? 8982'

9000

Sh,much vcl,cvg,some gr,dk gr,mic
sl lmy

Ss,gr,f/m,a,mic,tr carb str,s&p
lnbd dk gr,mic,sh

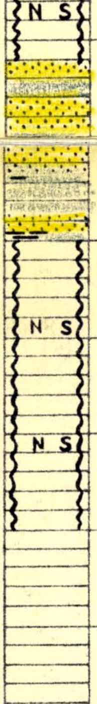
9100

Sh,vcl,hd

gr,v f/m,a,mic,sl s&p
Sh,much vcl,hd,ltl dk gr,mic,ss,
Sh,dk gr,mic,much vcl

9200

Ss,dk gr,v f/f,a,mic,ti,sl lmy,sh
vcl,hd,ltl dk gr,mic



gr-blk, some carb mat
Ss,gr,f/crs,a,mic,cons blk g,sh,
Smp all vcl sh
Tr dk gr sh,ss,gr,dk gr,v f/
Sh,vcl,dk gr f,ltl m,a,mic,ti

9300

Ss,gr,v f/f,ltl crs,a/s-a,mic,ti
ltl blk g
Sh,do,tr dk gr sh w/carb mat
Ss,gr,f,a,mic,ti,(only tr in smp)
Sh,dk gr,blk,mic,tr carb mat(smp
99% vcl sh)

9400

9500

T.D. Schl 9499'
T.D. Drlr 9500'
T.D. Smp 9360'

Note: An extremely poor set of samples.

9

600

Note: Mesa Verde top is very questionable because no good Mesa Verde type shales or coal was observed. It is entirely possible that the section 8982' to T.D. is all Upper Cretaceous above Mesa Verde but again none of the typical lithologies for this section was observed. In any event the Wasatch is unusually thick.

9700

SINCLAIR OIL COMPANY
UNIT #1
NW NW NW SEC 15-10S-18E
UINTAH, UTAH
LOG NO 527

9800

99