

WMD-2S-11E-5- dbb
W-1598
Chih Shan Chen
Dec. 29, 1964

FL-MAD4

OWNER : Hunt Oil Co.
FARM NAME : Gibson #4
LOCATION : 83° N 30° W from above

COUNTY : Madison
ELEVATION : 73' DF 68' Grd.
DRILLER : Penrod Drilling Co.
STARTED : April 23, 1945
COMPLETED : May 18, 1945
DEPTH : 4096'
CASING : 13-3/8" at 91' w/66sx, 9-5/8" at 860' w/100sx
USE : Test for Oil
REMARKS : 245 Samples from 110'-3750'
10/3/47 -- Weight in air - 18.84
Weight in water 11.67
7.17

Specific Gravity - 2.63
Chen: Based on electric log,
Taylor Peak 2340'

Dup. Smpls. & Cores in wrhs.

LAKE CITY LIMESTONE

? 915

OLDSMAN LIMESTONE

915 1320

CEDAR KYYS LIMESTONE

1320 1540

UPPER CRETACEOUS

1540 2140(?) (LAWSON LIMESTONE)

UPPER CRETACEOUS

2140 (TAYLOR)

FL-MAD4

Hunt Oil Company #4 Gibson, Madison County, Florida:

- 2100-10 Mod hd wh ls & some lt tan, finely cryst dol. Small porous spaces from impressions of small fos & frags. Some traces of Borelis structure.
- 2110-20 Very finely gran, irreg finely porous, somewhat gypsif tan dol.
- 2120-30 Wh ls as at 2100-10'.
- 2130-40 Wh, somewhat finely porous cryptocrust ls as above & some lt tan very finely cryst, finely porous dol.
- 2140-50 Lt tan very finely cryst sl gyp dol.
- 2150-60 No change. *No U. lawson - noted in this section.*
- 2160-70 Top of Upper Cretaceous. Material similar to above, but w/some small chalky areas & some large Echinoid spines & a small Brach common to the L. Lawson. A few crystals of anhydrite also present. (Schlumberger would suggest 2150' as top of U. Cret, L. Lawson). See #13 on slide.
- 2170-80 Like the preceding. A few Bryazoan frags.
- 2180-90 Very finely grn somewhat gyp & irreg sl chalky, finely porous lt tan dol. Some Echinoid spines in this mat.
- 2190-2200 Mat & fauna like the above, large Echinoid spines, a few Bryozoan frags, some specimens of a small Brachiopod, & a few frags of other fos. (Non-determinable). Mat more chalky than above.
- 2200-10 Tan, sucrose, sl porous dol. A few anhydrite crystals, a few chalk frags.
- 2210-20 Wh, finely lumpy chalk, frags of Bryozoans, Brachiopods as above, a few frags of Inoc, some specimens of Robulus sp, Torreina sp. A Blastoid-like Comatulid. (See #14 & 15 on slide). Several varieties of large Echinoid spines also common.
- 2220-30 Like the preceding.
- 2230-40 No change.
- 2240-50 Chalk & some fossils as above. A specimen of Globotruncana cretacea present.
- 2250-60 Cut of white finely lumpy chalk as above & some frags of gyp (pos caving). A few Inoc frags. Fauna same as above, mainly Echinoid spines & some frags, small Brachiopods.
- 2260-70 Like the preceding w/Inoc frags sl more common.
- 2270-80 Like the preceding.
- 2280-90 As above, also some small specimens of Cibicides harperi.
- 2290-2300 Like the preceding.
- 2300-10 Approx. top Taylor. Chalk & fauna as above. Inoc frags fairly common, some pyrite nods, some specimens of Cibicides harperi.
- 2310-20 Like the preceding with many specimens of Anomalina cosdeni also present, a few specimens of Anomalina scholtzensis, Bolivina incrassata, Globorotalia micheliniana, Bolivinoidea decorata, Globotruncana cretacea, Stensioina americana. (See #16 on slide).

Lawson A
BRACH & C. from Nancy

Big Robulus
Bolivia B
1. PRISMS
TORREINA SP.

B. Bol
BOLIVINA INCRASSATA
BOLIVINA SP.
GLOBOTRUNCANA
CIB. HARPERI
S. AMERICANA
STENSIOLINA GRANADANA
CYPRIDINA GRANADANA SP.

2320-30

Mat & fauna as above, a few frags of gy (ash?).

2330-40

Chalk & forams as above, also a few frags of lt gray (ashy?) sh. (See #17 on slide). This ash bed generally marks the top of the Taylor over N.E. Fla. & prob came in at about 2310' by Schl.

No Sh - very Abundant

2340-50

Chalk, many Inoc frags, a few frags of other bivalves (Ostrea? sp) & some forams as above. A few frags of the gy ash, some fine grnd tan, chalky dol. (pos caving).

2350-60

Like the preceding, few indigenous forams noted.

2360-70

Chalk, many Inoc frags & Taylor forams fairly common. Anomalina cosdeni, Anomalina scholtzensis, Bolivinoidea decorata, Buliminella carseyae common.

2390-2400

Like the preceding.

2400-10

Chalk, many Inoc frags, a few frags of Ostrea sp, some forams (species as above) & a few frags of the lt gy ash (prob caving).

2410-20

Like the preceding.

2420-40

Chalk, Inoc frags & a few forams; some pyrite nod.

2440-50

Like the preceding.

2450-2540

No change.

2540-50

Chalk & Inoc frags, some pyrite nod & a few forams as above. Many frags of chalk, shows embedded anhydrite crystals.

2550-60

Like the preceding.

2560-2600

No change.

2600-10

Approx. top Austin. Cut of lt gy chalk & many Inoc frags & prisms, a few forams. No narrowly restricted species noted. Washed residue small as compared to preceding.

2610-20

Like the preceding. Many frags of the lt gy ash (prob cvg).

2620-90

No change.

2690-2700

Cut of white chalk, lt gy chalk, abdt Inoc frags & prisms, some frags of the gy ash. Some frags of other fos bivalves-cavings from Tertiary.

2700-10

Like the preceding.

2710-30

No change.

2730-40

Same as above w/addition of a few frags of brnish gy chalk.

2740-50

Like the preceding.

2750-60

Mod small washed sple of white chalk, many Inoc frags & prisms, many cavings of lt gy ash, a few cavings from Tertiary.

2760-80

No change.

2780-90

As above, also a few frags of brnish gy marly chalk.

2790-2800

Small washed residue, mainly cavings of ash frags & Inoc prisms, some Tertiary cavings. Occasional small calcitized specimens of Globigerina and Planulina sp.

2800-10

Def. Austin. Materials as above, w/a few frags of brnish gray chalk & many specimens of Globigerina sp, Globotruncana marginata, Gumbelina reussi & several species of small Anomalinas common. (See #18 on slide).

2810-20

Like the preceding.

N
B. S. P. ...
Globotruncana
Gumbelina
Planulina
Ammonia
Cyprina
Wahneopora
Retziella
(Tay)
(N.W. - T.M)

2820-30

Small washed sample of brnsh gy sl "lt speck" marly chalk. Some Inoc frags & prisms & abdt forams, species as above. Globotruncana & Globigerina dominant. Several species of Ostracods also present, including specimens of Cythereis dallasensis (an Austin species) Saracenaria triangularis & Planulina austinana also present. (See #18 on slide).

2830-40

Like the preceding.

2840-50

No change.

2850-60

Cut leaving a mod small washed residue of frags of gy marly chalk, some Inoc frags & some forams, mainly Globigerina, Globotruncana & Gumbelina. A few specimens of Valvulineria infrequens (Austin var.).

2860-70

Like the preceding.

2870-80

No change.

2880-90

Cut of brnsh gy, somewhat "white speck" marly chalk, many Inoc frags & numerous forams (sepcies as above).

2890-2900

Like the preceding. Mat is darker colored & more noticeably speckled & harder, leaving a larger washed residue than in samples above 2880-90'. Fauna the same as at 2850-60 etc.

2900-10

Like the preceding. A few frags of white chalk w/many minute globular bodies. Common forams present, Globotruncana (several species), Globigerina sp, Gumbelina ruessi, Planulina austinana.

2910-20

Like the preceding.

2920-3060

No change.

3060-70

Like the above, w/many frags of a highly "speck" dark brnsh gy marly chalk.

3070-80

Dark brnsh gy highly "lt speck" marl strongly dominant. Microfauna same as above (prob mainly caving).

3080-3100

No change.

3100-10

"Speck" marl as above, also many frags of a dk to lt brnsh gy ls which contains a large amt of very fine calcitic mat (minute globular bodies, Inoc prisms & fragmental calcitic fos mat). (See #19 & 20 on slide).

Brnsh gy sl
SS of U. N. H.

3110-20

Dk gy, flaky, "speck" marl, a few frags of the fragmental ls. Inoc frags & some forams. Mainly Globigerina & Gumbelina.

3120-30

Like the preceding.

3130-40

E.F. Top. Like the above w/the addition of many frags of a white, cal fine grnd qtz ss (See #21 on slide).

White ss
of N. H.

3140-50

Cut of dk brnsh gray "speck sh" as above, a few frags of the ss & many frags of dk (sl grnsh gy) sh. (See #22 on slide).

Gray grnd sh
of N. H.

3142-47

Core. Top: Grnsh gy flaky sh w/thin partings of fine grnd, mica, pyritic & somewhat glauc qtz ss. A few small fish bone & teeth phos frags & a few small frags of shell mat in ss (See #23 on slide).

23
L. N. H.
Fossiliferous
Glauc
Mica
SS

Bot: Gy grn, flaky sh & some thin partings of lt gy, glauc, mica & pyritic cal siltstone. Some small specimens of Planulina eaglefordensis, Globigerina, Gumbelina & a few arenaceous forams. (See #24 & 25 on slide).

3150-60

Cut of gy grn flaky sh & frags of lt gy siltstone & very fine ss as above. A few forams species as above.

25
SS of N. H.
- N. H. fauna:
(Glauc, mica, pyritic, arenaceous)
AMMOTACCS.
Mica, Glauc

- 3160-70 Sample mainly frags of gy grn sh, a few frags of siltstone, some cavings.
- 3170-80 Gy grn flaky sh & some frags of lt gy, pyritic, mica & sl glauc siltstone. Some specimens of Plan. eaglefordensis Globigerina sp & Gumbelina as above. Siltstone about 25%.
- 3180-90 Like the preceding. Many frags of tan, mica very fine grnd cal ss.
- 3190-3200 Like the preceding.
- 3200-10 Grn sh as above & many frags of fine ss, also some frags of a tan, sdy & sl phos ls (See #26 & 27 on slide). A frag of Ostrea sp in the ss.
- 3210-20 Like the preceding.
- 3220-30 Gy grn flaky sh, about 25% very fine grnd, lt gy mica ss which contains some small frags of fish bones & scales & a few frags of Ostrea sp. A few frags of the sdy ls as above (these prob caving).
- 3230-40 Like the preceding. Tan, fine cal & mica ss about 40%.
- 3340-50 Same as preceding.
- 3250-60 Like the above & a few frags of a dk gy flaky sh. Approx. Top, Mid Atkinson. Atkinson. "marine sh", Tucaloosa.
- 3260-70 Like the preceding w/more frags of the dk gy mica, flaky sh. (See #28 on slide).
- 3270-80 Cut of dk gy & gy grn flaky, somewhat mica sh & about 25% frags of tan, very fine grnd, mica ss. Some small frags of carb mat in the sh & in ss. Minute forams in a few frags of the dk gy sh, a few frags of phos mat. A few specimens of Globigerina apparently indigenous.
- 3280-90 Like the preceding. Also some specimens of Ammobaculites agrestis. (See #29 on slide).
- 3290-3300 Cut of dk gy flaky mica sh & some frags of lt gy, highly mica siltstone, crushed, minute forams common in this sh. Some small frags of carb mat.
- 3300-10 Like the preceding, but no arenaceous forams noted.
- 3310-20 Sh like the above, a few frags of siltstone. A few specimens of Ammobaculites agrestis.
- 3320-30 Like the preceding but no arenaceous forams noted.
- 3330-40 No change.
- 3319-39 Core #5. Sh as above & fine grnd, mod hard gy ss, some frags of chalk from much higher levels (Apparently not a clean core).
- 3340-50 Dk gy, somewhat mica sh & some frags of fine grnd, mod hd gy ss. Some frags of phos bone mat & about 10% fine loose sd. A little glauc & mica in ss.
- 3350-60 Like the preceding.
- 3360-70 No change.
- 3370-80 Like the above w/a few coarse sd grns present, some of these grn tinted.
- 3380-90 Core #6. Top: Gy, poorly consolidated fine grnd mica & glauc, argill ss. Some shaly (dk gy) lenses.
- to 3400 Mid: Dk gy flaky sh as in preceding samples & some soft, med grnd qtz sd w/some glauc.
- 3400-10 Bot: Fine glauc & mica sd & some lenses of dk gy sh. Mainly dk gy flaky sh. Some glauc & mica sh & ss as above.

26027
 AHC M-ony
 SAJ US

M-ony
 WA-23
 S-20077 SAJ

Atkinson sh,
 H. Atkinson
 Globigerina

3410-20

Gy sh as above & many frags of fine grnd mica & glauc cal ss. Some frags of Ostrea sp in ss. A few cse sd grns.

3420-30

Sh as above & about 50% frags of lt gy, med grnd glauc & mica, sl phos ss.

3430-40

Like the preceding. Ss about 75% of sample (See #30 on slide for char of ss).

3440-50 Top

L.K. Coarse grnd qtz sd. Many pink tinted grnd. See #31 on slide for char of this sd.

3450-60

Cse to very cse qtz sd as above & frags of lt tan waxy, finely sdy sh (pos the matrix for cse sd) (See #32 on slide). A few of the sh frags show lt red mottling.

3460-70

Sd & some sh as above, about 50% cavings. Some small frags of multicolored, finely sdy sh. (red, lt raspberry & grnish yel). (See #33 on slide). A few frags of feldspars in sd.

3470-80

Like the preceding.

3480-90

Sd & cavings as above, very little multicolored sh.

3490-3500

Like the preceding.

3500-10

Large sample of cse sd of qtz & some grns of feldspar. A few frags of sdy multicolored clay sh as above (for sh see #34-36 on slide).

3510-20

Like the preceding.

3520-30

Sd as above & a few frags of sdy multicolored sh.

3530-40

Mainly cse qtz sd, some grns of feldspar.

3540-50

Like the preceding. A few frags of multicolored sh.

3550-80

No change.

3580-90

Sd as above & more frags of the multicolored sandy clay sh. Sple smaller than above. Sh prob being drilled.

3590-3600

Cse sd mainly qtz w/a little feldspar. Many pink & yel tinted grns. A few frags of the multicolored sd & mica clay sh (for sh see 37 & 38 on slide).

3600-10

Like the preceding.

3610-20

No change.

3620-30

Mod small sple, composed mainly of frags of dull lt red & finely lt gy mottled sdy clay sh w/a few imbedded nod of oxidized glauc? (See #39 & 40 on slide).

3630-40

Like the preceding. A few stained lime nod.

3640-50

About 50% sh as above, 50% cse sd.

3650-60

Mainly waxy & sdy, lt red & gy finely mottled clay sh as above.

3660-70

Like the preceding.

3670-80

No change.

3680-90

Cut at least 50% cse qtz sd, some feldspar, 50% cavings & red & gy sdy clay sh as above. Sd prob being drilled.

3690-3700

Mainly red & yel stained cse sd (qtz & some feldspar). Some varicolored sh.

3700-10

Cse to very cse sd as above. Some frags of multicolored sdy clay sh.

3710-20

Like the preceding.

3720-30

Sd as above & about 50% red, gy, purplish & some yellow, finely mottled, mica & irreg finely sdy sh.

3730-40

Sple mainly sh as above, a little sd, some cavings.

3740-50

Similar to above, about 50% cavings from U. Cret.

3750-60

Like the preceding.

C-Com
3430-40
3440-50 Top
3450-60
3460-70
3470-80
3480-90
3490-3500
3500-10
3510-20
3520-30
3530-40
3540-50
3550-80
3580-90
3590-3600
3600-10
3610-20
3620-30
3630-40
3640-50
3650-60
3660-70
3670-80
3680-90
3690-3700
3700-10
3710-20
3720-30
3730-40
3740-50
3750-60

Comanche
to PAVE
WA 501
501
YOUNG, AM
PURPOSE
STAIN
NO 77
CRS 33
MANON
YOUNGISH
SIVY
RED, SH
CRY
PROTRUDY
SIVY

3760-70

Sple mainly cse sd of qtz & some feldspar. A little mottled sh. Prob caving.

3770-80

About 50% sd & 50% mottled sh & cavings.

3780-90

Cut of red, mica & somewhat sdy, somewhat grnish gray & yel mottled sh. Some caving for sh. See #42 & 43 on slide).

3790-3800

Like the preceding.

3800-10

Sple mainly sh as above w/many frags of a smooth, dk red, sl mottled sh. Aobut 25% sd & cavings. (For sh See #44 on slide).

3810-20

At least 50% red & gy mottled, mica, finely sdy clay sh. 50% cavings from U. Cret.

3820-30

Dark red, mica, sl bluish or grnish gy mottled irreg silty sh. Some cavings (for sh see #45 on slide).

3830-40

Like the preceding.

3840-50

Sh as above & 50% fine to very cse sd w/many small pebbles of qtz, quartzite, varicolored claystone & some other mat.

3850-60

About 50% fine conglomerate as above, 50% red sh as above & cavings from U. Cret.

3860-70

Like the preceding (for frags of cong see #46-48 on slide).

3870-3910

No change.

3910-20

Cut of fine cong as above, some red sh (See #49 & 50 on slide for red sh).

3920-30

Like the preceding.

3930-40

Like the above, frags of amber colored & some reddish quartzite pebbles relatively more common.

3940-50

Mainly red sh, some fine cong & cavings from U. Cret. Many quartzite pebble frags in cong.

3950-60

Like the preceding.

3960-4010

No change.

4010-20

Top Pal?. Red sh & some conglom w/frags of quartzite, also many frags of a white fine grnd, nod hard to quartzite-like ss which does not seem to be from pebbles (See #51 to 54 on slide).

4020-30

Like the above w/the addition of many frags of a fine grnd lt gy to bluish grnish ss similar to the wh in preceding sple in gen char. (See #55 to 57 on slide).

4030-40

Similar to preceding w/frags of the white & grnish gy hard fine grnd ss more abdt.

4040-50

Like the above w/addition of many frags of badly altered & bleached diabase (See #58 to 60 on slide).

4050-60

As above, frags of diabase, much less highly altered & more abdt.

4060-67

Mat as above, also many frags of a fine grnd, hard, ss stained & speckled irreg dark gy to black (see special slide).

4067-69

Core #7, Rec. 18". Black Pal^{shaly} ss.

E.R. Applin
June 19, 1950

*Spley
M. R. R. & G. R. R. - brown
sh*

*M. R. R. - gray
sh*

*W. C. R. 9727E
O. V. R. 1100*

M. R. R. - silty sh

W. M. R. 9727E

*000
O. R. R. 7107*

W. C. R. 9727E

*B. C. R. 570
9727E*