021-131

Sunniland Quad

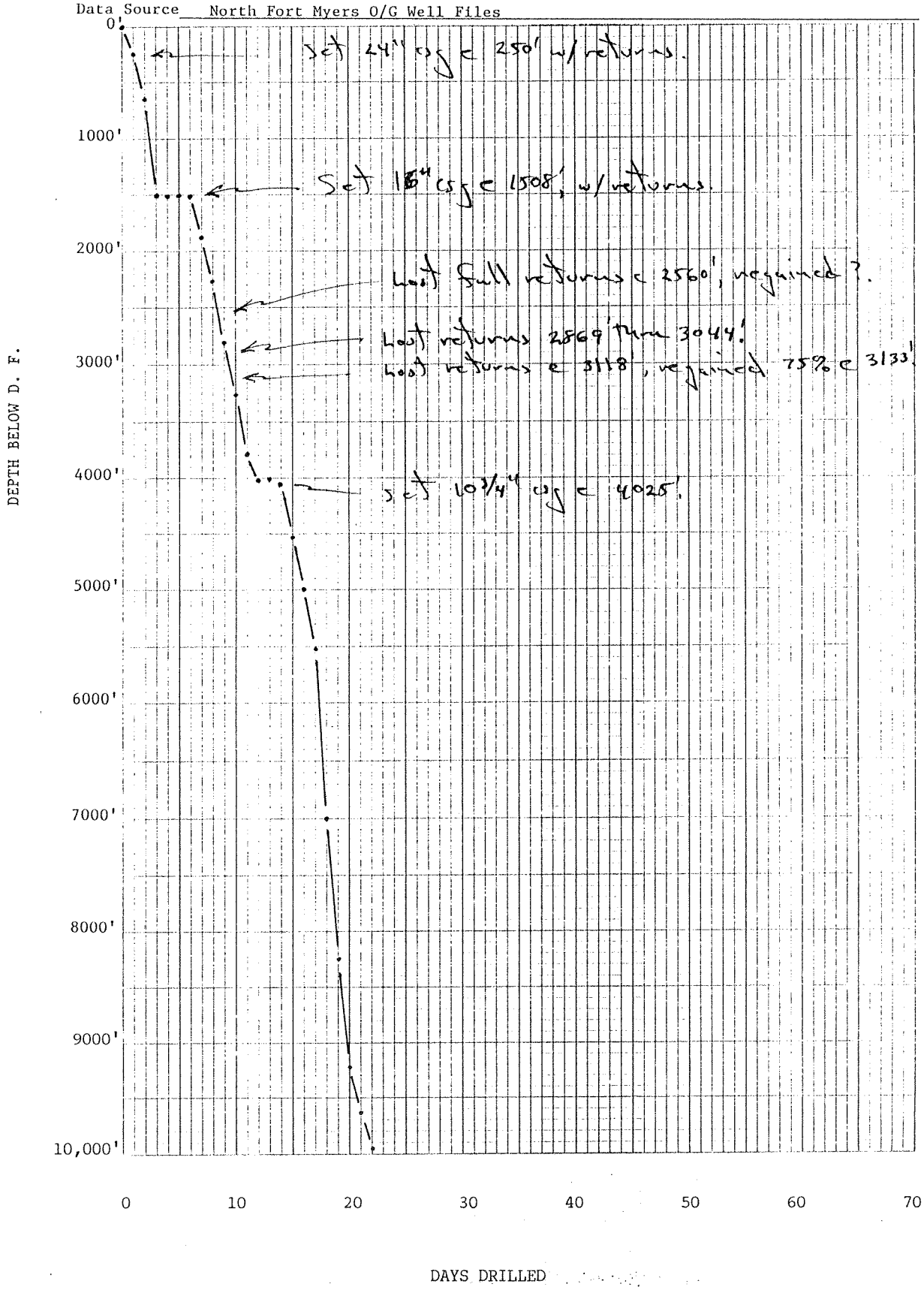
Well No. 1042 [W-15,095] Elevation G.L. 19.5' D.F. 45.1' K.B. 46.6'

Location 1120' FWL, 1520' FNL County Collier

____ ¼ ____ ¼ ____ ¼ Sec. 20 T 48S R 30E TD 17,200

Well or Owner's Name Exxon 20-2 Collier Company

Data Source North Fort Myers O/G Well Files



1042 Exxon 20-2 Collier Company
1120' FWL, 1520' FNL, Sec. 20, T48S, R30E
Collier County, FL , Sunniland Quad, GL 20', DF 45', TD 17,200'
Spud 7/17/81, P&A 12/3/91

Brief Log by R. S. Caughey 7/22/81

0- 60	Largely fossil hash and limestone fragments, w/a beige to light gray color. Some small rounded to well rounded quartz pebbles and 1-3% black, rounded granules, and pebbles of phos
60- 90	Not sampled
90- 120	Same as 0-60'
120- 150	15% fossil hash and limestone as above; 85% coarse sand, sand exists largely as rounded to subangular grains, most are 1mm-2mm in size, but commonly up to 7mm; phos 1-3% black, rounded to subangular granules and pebbles. Driller reported hard slow drilling from 96' to about 165'
150- 180	100% coarse sand; sand as 1-2mm rounded to subangular grains, but commonly up to granule/pebble size; 1-3% black rounded to subangular granules and pebbles of phos
180- 210	Largely coarse sand and black granules and pebbles as in 150-180' sample, but now w/5-10% beige to white limestone fragments
210- 400	No samples (24" casing set @ 250')
400- 430	100% beige fossiliferous limestone
430- 460	100% beige fossiliferous limestone
460- 490	95% green "gumbo" clay w/10% white to beige limestone and fossil fragments
490- 520	100% beige fossiliferous limestone
520- 550	90% white fossiliferous limestone, 10% white clays
550- 580	85% green "gumbo" clays; 15% white clays, limestone and fossil fragments
610- 640	100% white to beige fossiliferous limestone and some white clays, medium to coarse cuttings
640- 700	90% beige to tan fossiliferous limestone, 10% gray/greenish clays
700- 730	100% beige, tan and gray limestone and micritic limestone fragments; some is fossiliferous
730- 790	100% beige limestone, some fossiliferous
790- 940	100% beige and grayish white fossiliferous limestone, occasionally some beige to white clays

1042 Exxon 20-2 Collier Company (con't)

940- 970	100% white and light gray limestone
970-1240	100% beige to tan, clayey (?) limestone
1240-1300	100% tan to beige, clayey limestone
1300-1330	75% beige to tan, clayey limestone, 25% tan dolomite
1330-1480	100% beige to white clayey (?) limestone (set 16" casing @ 1508')
1500-1560	100% medium gray, sandy limestone w/3-6% minute black grains of phos
1560-1620	50% medium gray sandy limestone (as in 1500-1560) and 50% tan fossiliferous limestone
1620-1940	Largely tan fossiliferous limestone w/some dolomite and 5-10% transparent yellow selenite.

1620-1740 - gyp/sel 5-10%
1740-1770 - " less than 5%
1770-1820 - " 5-10%
1820-1880 - " less than 5%
1880-1910 - " 10-15%
1910-1940 - " over 50%

NOTE: Driller reported rough "bouldery" drilling between 1900-2300' but circulation was never lost

1940-2000	Largely white, sucrosic gypsum, some yellow transparent selenite & some chalky calcareous matter
2000-2030	60% tan/brown, porous, fossiliferous, chalky limestone and some crystaline dolomite grains; 40% white, sucrosic gypsum
2030-2060	Largely white, sucrosic gypsum, some crystalline dolomite and some tan/brown limestone
2060-2120	Largely white, sucrosic gypsum and yellow transparent selenite & tan and white chalky limestone
2120-2150	Mixture of white, sucrosic gypsum, yellow transparent selenite & tan, fossiliferous, chalky limestone
2150-2270	Largely tan, fossiliferous, porous, chalky limestone
2270-2390	Largely tan, chalky limestone, less porous and less fossiliferous than 2150-2270' some brown dolomite
2390-2480	Largely brown to tan dolomite; some tan chalky limestone
2480-2510	Mixture of tan, chalky limestone to smaller amounts of brown dolomite
2510-2570	Largely tan and light tan, chalky limestone; some tan dolomite
2570-2600	Largely light tan and tan dolomite; some tan, chalky limestone

1042 Exxon 20-2 Collier Company (con't)

2600-2690	50% tan and light tan dolomite; 50% white, chalky limestone
2690-3120	Samples missings or not collected
3120-3150	100% tan, slightly calcareous, fine grained subang Qz grains
3150-3210	50% brown dolomite; 50% tan limestone
3210-3240	60% light brown dolomite; 40% tan limestone
3240-3270	Light tan, silty, calcareous, fine grained subang-rnd sandstone
3270-3300	Largely brown dolomite; some light tan dolomite and limestone
3300-3430	Samples missing or not collected
3430-3490	White to light gray, clayey, non-calcareous, fine grained, sand, common gypsum particles in the sand
3490-3520	65% brown dolomite; 35% white to tan limestone
3520-3550	Light tan, silty, sandy, weakly calcareous anhydrite
3550-3580	60% white, silty, fossiliferous limestone; 40% brown dolomite
3580-3820	Light tan to light gray fine cuttings consisting largely of white anhydrite. Locally it is slightly silty and sandy and always weakly calcareous
3820-3880	Largely white anhydrite w/some light brown dolomite
3880-3940	Largely light brown dolomite; some white limestone and anhydrite
3940-4000	70% white to light tan limestone; 30% light brown dolomite NOTE: Set 10 3/4" casing @ 4025'
4000-4290	Largely light tan to tan dolomite w/increasing amounts of white anhydrite
4290-4830	Largely tan to white anhydrite; occasionally some dolomite
4830-4980	Gray anhydrite; some dolomite

Sunniland Quad
1042 Exxon, Collier Co. Well 20-2
Sunniland Field, Collier County
Sec. 20, T48S R30E, 1120' FWL, 1520' FNL
GL 20', DF 45', TD 17,200', Spud 7/17/81
P&A 12/3/91

Brief Lith Log by C. V. Cook and R. S. Caughey 9/94 from Well 35 Gulf Coast Realty #4 Humble
Sec. 20, T48S, R30E, Collier County

1042

Schlumberger

X - Y CALIPER

COMPANY EXXON COMPANY, U.S.A.
WELL COLLIER CO. WELL NO. 20-2
FIELD SUNNILAND
COUNTY COLLIER STATE FLORIDA

COUNTY	COLLIER
FIELD	SUNNILAND
LOCATION	SEC 20 T48S R30E
WELL	COLLIER CO. WELL NO. 20-2
COMPANY	EXXON COMPANY, U.S.A.

LOCATION			
API SERIAL NO.	SECT.	TWP.	RANGE
AFE 42161	20	48S	30E

SEC 20 T48S R30E
1120' FWL, 1520' FNL

Other Services: NONE

Permanent Datum BHF Elev. 19.5'±
Log Measured From HYDRIL ±5' above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 46.6' D.F. 45.1' G.L. 19.5'

Date	25-NOV-1991	
Run No.	ONE	
Depth Driller	12640.0 F	
Depth Logger (Schl.)	12640.0 F	
Btm. Log Interval	2220.0 F	
Top Log Interval	0.0 F	
Type Fluid in Hole	WATER/OIL	
Salinity NaCl		
Density	9.00 LB/G	
Fluid Level		
Max. Rec. Temp.		
Deviation		
Logger on Bottom	16:15 25-NOV-91	
Equip. / Location	8165 / FORT MYERS	
Recorded By	S.MILLER	
Witnessed By	LARRY S.	

BOREHOLE RECORD

Bit Size	14 3/4"	
Depth		

CASING & TUBING RECORD

Size	16"	
Weight		
Casing Top-Driller		
Casing Top-Logger		
Casing Shoe-Driller	1506.0 F	
Casing-Logger	1488.0 F	

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	ONE	
Service Order No.	588208	
Logging Speed		
EQUIPMENT DATA		
Tool Number 1	BGT	
Tool Number 2	SGTE	
Tool Number 3	CALR	
Tool Number 4		
Tool Number 5		
Tool Number 6		
Tool Number 7		
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:
CASING CUT AT 2220' (10 3/4")

CCL		BS(IN)	30
-19.00	1.0000	10.000	
GR(GAPI)		C2(IN)	30
0.0	100.00	10.000	
		C1(IN)	30
		10.000	

CCL		BS(IN)	30
-19.00	1.0000	10.000	
GR(GAPI)		C2(IN)	30
0.0	100.00	10.000	
		C1(IN)	30
		10.000	

Well 35 is 2300' east of well 1042

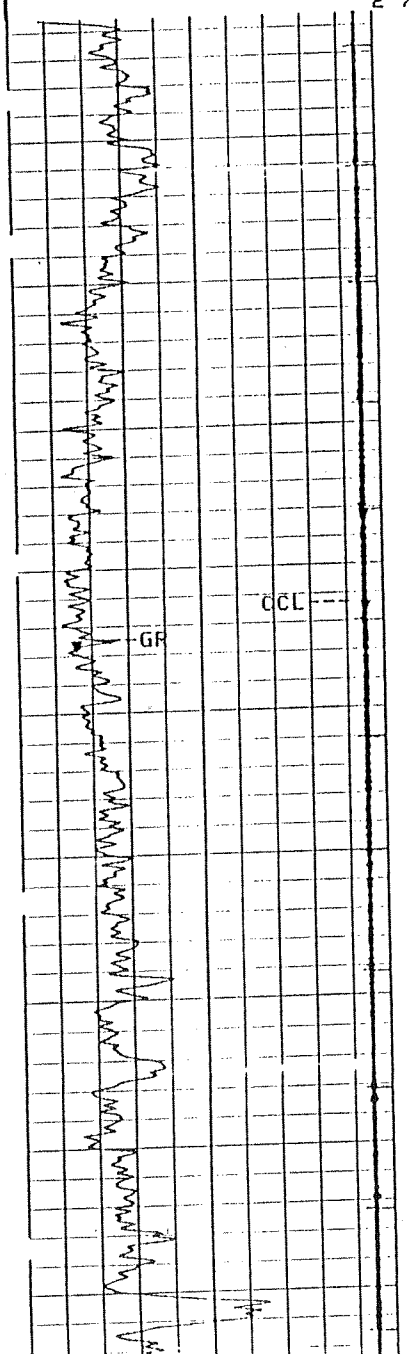
CP 32.6 FILE 8 25-NOV-1991 17:10

1042 Exxon, Collier Co. Well 20-2
Sunniland Field, Collier County
Sec. 20, T48S, R30E

INPUT FILE(S) 4 CREATION DATE 25-NOV-1991 16:19

2"/100'

Lith Log from Well 35 Gulf Coast Realty #4 Humble
Sec. 20, T48S, R30E, Collier County
by C. V. Cook and R. S. Caughey 9/94



Yel/gray-v lt gray, rexal, dol, fg-crse Ss w/1% bl phos grs, mollusk frags, 30% colorless-wh subrnd Qz pebbles and 1% bl phos grs; 50% Ss and 50% Qz pebbles as above w/1-3% bl phos grs

100

Ss as above, 20% Qz pebbles and 1% bl phos grs

Qz pebbles as above, 40% Ss as above w/1% bl phos grs, mollusk frags and shark's tooth

Qz pebbles, 20% Ss as above, mollusk frags and 3% bl phos grns

Ss and 30% Qz pebbles as above, mollusk frags and 1% bl phos grns

V crse-pebble Qz sand, some smoky, 20% mollusk frags, 10% Ss as above and 3% bl phos grns

50% Ss & 45% Qz sand; 3% phos, 2% dk yel/brn sandy lignite (?)

Qz sand and 25% Ss, mollusk frags and 2% phos

200

50/50 mixture of Qz sand and Ss; large mollusk frags and 2% phos

Yel/gray-v lt gray dol fg-crse Ss, w/1-2% phos

Ss as above; 10% Qz sand; 1% phos

Ss as above; 40% Qz sand, 10% vpo chalky sl sandy Ls, tr of Myogypsina (?) and 1% bl phos grns

Qz sand, med-pebbles, 30% med sandy Dol, 30% Ls, tr of lt olive gray dolosilt and 1% phos

As above w/60% sand, 20% Dol and 10% Ls

Qz pebbles, 30% calc Ss, 5% Dol and 3% phos

40% Qz pebbles, 30% Ss, 30% Dol, mollusk frags and 2% bl phos grns

300

50% Ss, 40% Qz pebbles and 10% Dol; 2% bl phos grns

60% Qz pebbles, 20% Dol and 20% Ss; 1% bl phos grns

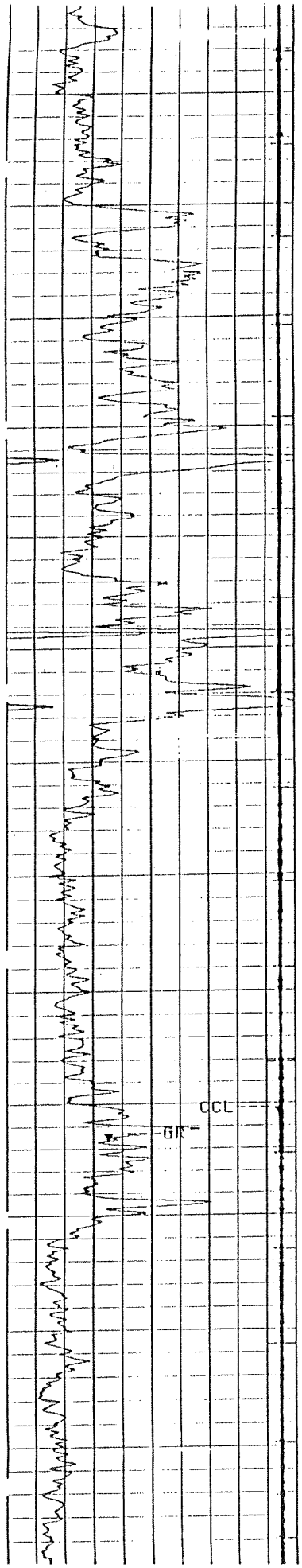
40% Ss w/1-2% bl phos grs, 30% Qz pebbles and 30% Dol; tr of Dolosilt w/2% phos

70% Qz sand, 20% Ss and 10% Dol

Qz sand w/1% bl phos grs, 30% sandy Dol and 20% silty Ss

V lt gray sandy fos Ls w/< 1% bl phos grs, Myogypsina (?), 10% Dolosilt, 5% Qz sand

400



(#1042 continued)

400

Sandy, fos Ls w/3-5% phos, 50% Qz sand, 5% bl phos grns, mollusk frags, and a tr of Dolosilt

70% Ls as above; 20% Qz sand and 10% Dolosilt

Ls w/15-20% phos, Myogypsina (?), bryozoa, 5% Dolosilt, 5% Qz pebbles

Ls and fos as above, 5% Dolosilt, 5% Qz pebbles & 5% lt gray dol Ls

30% Ls w/5-10% phos, 20% Dolosilt, 30% dol Ls, 18% mollusk frags; 2% Qz sand

V p o granular Ls w/10-20% phos, Cheilostome (?), 5% dol Ls, and 1-5% phos

500

50% Qz sand, 45% dol Ls; some sandy; 5% dolosilt

Chalky Ls w/1-5% phos, 40% Qz sand, 10% xln Dol Ls, 10% sandy dol Ls and 3% phos

Chalky dol Ls w/1-3% phos, 20% Qz sand, 5% xln dol Ls & 1% phos

" " " 30% xln Dol, 20% Qz sand & 2% phos

40% chalky dol Ls, 20% Qz sand, 20% sandy dol Ls, 20% xln Dol & 1% phos grns

30% chalky dol Ls, 30% Qz sand and 40% phos

Chalky dol Ls, 30% Qz sand, 20% Dolosilt and 3% phos

V p o xln sandy Dol w/1% phos, 10% sandy dol Ls & 30% Qz sand

V p o sandy dol Ls w/1-5% phos, 10% sandy dol Ls; 1% Qz sand

600

Dol Ls, 45% Qz sand and 2% phos

Qz sand, 40% dol Ls and 1% phos

Dol Ls, 30% Qz sand; 1% phos

As above w/4% phos

Dol Ls, 50% Qz sand and 3% phos

Dol Ls, 20% Qz sand and 2% phos

Chalky, sandy dol Ls w/5-15% phos, 5% sandy xln Dol 10% Qz sand and 1% phos

Chalky dol Ls w/1-5% phos, 10% Qz sand and 2% phos

700

As above w/2% Qz sand

Chalky, sandy dol Ls w/1% phos, 20% Qz sand and 2% phos

Chalky Ls, 20% calc Ss, 10% Qz sand and 1% phos

Dolomitic Ss w/1% phos, 10% chalky, sandy dol Ls, 10% Qz sand and 1% phos

Wh, chalky, sandy, fos, part rexal Ls

V p o, fos rexal Ls

800

Ls as above; 30% lt-med gray, rexal, fos Ls

50/50 v p o-v lt gray, sandy, rexal, fos Ls

900

V p o Ls as above

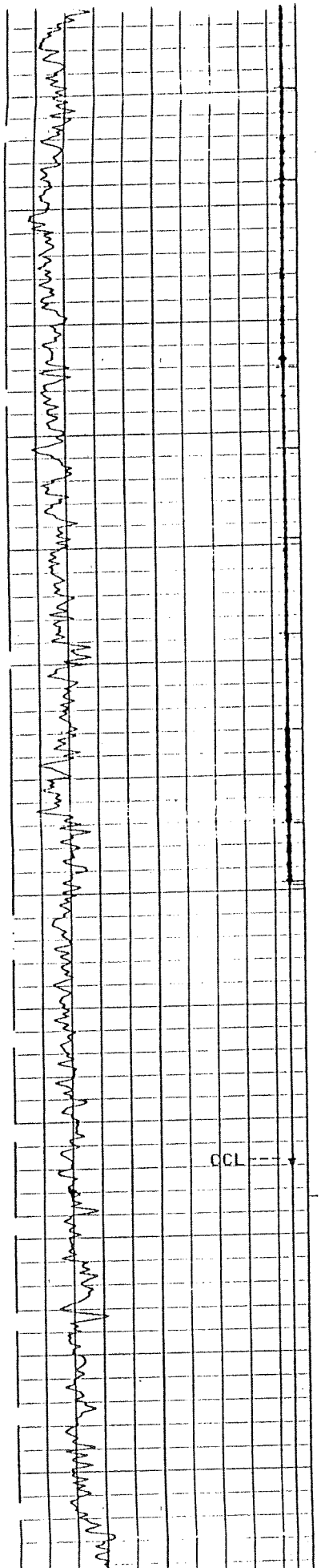
V p o Ls as above and V lt gray, sandy, fos Ls; some micritic vpo-v lt gray Ls

V p o, chalky Ls, rare Lepidocyclina; some Ls as above

Ls as above w/common-numerous Lepidocyclina

1000

(#1042 continued)



1000

V p o, chalky Ls w/common Leps and Camerina

Ls as above w/abundant Leps and Camerina

1100

Ls as above w/Leps and Camerina; some v lt gray, rexal, fos Ls (Suwannee) contamination

Ocala Ls w/abundant Leps and Camerina

1200

V p o, chalky, fos Ls as above w/common Camerina, some Leps

Ls and fos as above, 2% fg xln brn Dol

Ls and fos above, 5% Dol as above; tr of bl chert

Suwannee contamination w/some Ocala Ls

Ocala Ls w/2% Dol as above

50% Ocala Ls and 50% Dol as above; rare Dictyoconus

50% Ocala; 50% gr/brn, fg xln Dol; a few cones

1300

80% Dol as above, 20% v p o, granular, dol Ls; some cones

60% Dol and 40% Ls as above; a few D. cookei

50% Ls as above; some micritic-granular; 50% Dol as above; a few D. cookei, Nummulites and Lepidocyclina

1400

Ls and Dol as above; D. cookei common

Ls and Dol as above; some Ls w/Dol rhombs in matrix; a few D. cookei

60% granular Ls as above, 40% Dol; a few D. cookei

V p o, granular, fos, part dol Ls, w/a few D. cookei; 10% Qz sand

Ls as above

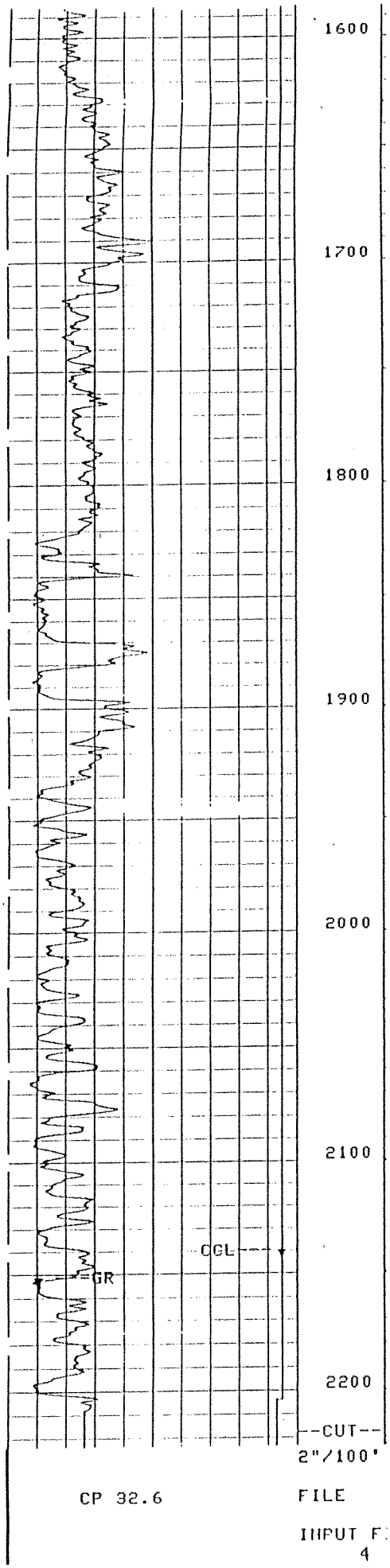
Ls as above w/common D. cookei

1500

Ls as above; some w/carb matter; common D. cookei

1600

(#1042 continued)



1600

V p o, micritic-granular, fos, part dol Ls; 5% v p o-clear, med xln Dol and a few D. cookei

Granular dol Ls as above; a tr of carb matter

1700

Ls as above w/a tr of carb matter and a few D. cookei

Ls as above w/a tr of carb matter and common Dictyoconus americanus

Ls as above w/common D. americanus

1800

Ls as above w/ a few D. americanus and tr of carb matter

V p o, granular, fos, dol Ls, w/common D. americanus; tr of carb matter and 10% mod yel/brn-clear, f-med xln dol

1900

60% Ls and 40% Dol as above

Ls and Dol as above; some Ls w/Dol rhombs in matrix

Ls as above, 10% Dol as above and 10% wh gypsum

2000

Ls as above, 20% Dol and 20% gypsum as above

30% gypsum, 30% dol and 40% Ls as above

Mod yel/brn, fg, xln dol, 10% wh gypsum, 5% Ls as above and a few Lepidocyclina

2100

Dol as above, fg-med; 10% wh gypsum and tr of selenite

Dol as above and 5% wh gypsum

2200

Dol as above, 20% wh chalky gypsum and 10% v p o, chalky, dolomitic Ls

Date	20-MAR-1991 17:54
Logging Speed	30 m/h
Depth Reference	KB
Field Remarks:	
Run Number 1	
Run Number 2	
Run Number 3	
Run Number 4	
Run Number 5	
Run Number 6	
Run Number 7	
Run Number 8	
Run Number 9	
Run Number 10	

Comments:
Run 1 Logged 20-MAR-1991 by 2000

Bit Size	8.500	BHT	93.000
Logging Disk		TCS	
Recorded Mode		TDD	
Max Temp		TMD	2100.000

DF 30.4 FILE 3 20-MAR-1991 17:54
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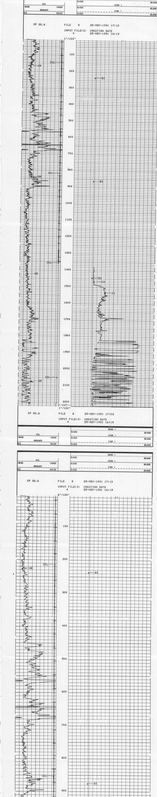
DEPTH(TVD) 1:200



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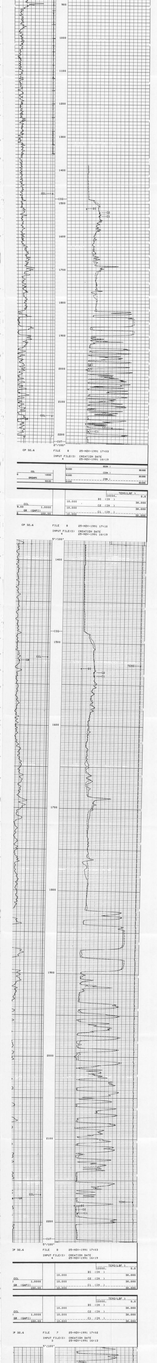
DEPTH(TVD) 1:200



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DF 30.4 FILE 3 20-MAR-1991 17:54
DEPTH PLOT(1:200) INDUCTION DATA
DEPTH(TVD) 1:200

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DEPTH	0.000	ILD	0.000
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		ILD	0.000

DF 30.4 FILE 3 20-MAR-1991 17:54
DEPTH PLOT(1:200) INDUCTION DATA
DEPTH(TVD) 1:200

ILD	0.000	DEPTH	0.000
DEPTH	0.000	ILD	0.000
		DEPTH	0.000
		ILD	0.000

DF 30.4 FILE 3 20-MAR-1991 17:54
DEPTH PLOT(1:200) INDUCTION DATA
DEPTH(TVD) 1:200