051-56

Permit #486
W-10,988
Exxon
20-3 Turner Corp.
660' FSL, 660' FWL sec 20, T45S R28E
West Felda Field
Hendry County, Alva SE Quad
GL: 32' DF: 46' TD: 11,725'
Spud 07/22/71 Completed: 11/02/71

Washed and unwashed cuttings are available from the Florida Geological Survey cuttings library in Tallahassee. Brief lith log of washed/unwashed cuttings by R.S. Caughey in August 1998. If the unwashed cuttings are essentially the same as the washed cuttings no description is given.

Depth in feet below GL	DESCRIPTION
0-10	Ss, v pale orange, v shelly(shell frags @ 75-85% of sample), calc-v calc, sltly phos(±½% as minute, bl grs, specks & a few fos frags), some discoid forams, a little encrusting bryozoa; the shells appear to be rexal and some have a vf drusy calcite coating, some fos frags appear to have sltly rounded edges; trace FeOx stain on a little Ss; trace olive gray, calc, fg sdy siltstone. Unwashed: As above, with tr-minor siltstone.
10-20	As above, tr-minor FeOx; one shark tooth; a few Qz grns, rnd, ltly frosted.
20-30	As above.
30-40	As above, common echinoid spines, tr FeOx stain; fewer shell frags(60-75%); rare Dol, fg xln, sucrosic, moldic, mod reddish orange.
40-50	As above.
50-60	10-30% shelly Ss as above; remainder is Ls, lt gray, med gray, dk gray, sdy-v sdy, sltly phos; sand in Ls is coarse, med & fine, subrnd-rnd, clear, gray, ltly frosted; a few loose bl, phos grs, grns, fos frags. Unwashed: As above, with trace dk gray clay.
60-70	Qz sand, m-c, subang-rnd, clear, gray, ltly frosted; 15-30% gray Ss as above; 10-15% shelly Ss(as @ 40-50'); phos at 2-5% as bl, brnish bl grs, grns, fos frags.
70-80	Qz sand, f-m-c, clear, sltly milky, gray, subang-rnd, most are polished, some v ltly frosted to ltly frosted; 1-3% phos as minute-small bl grs.

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Depth in feet below GL	DESCRIPTION
80-90	As above, a few Qz grs are wkly FeOx stained; sltly more phos than above.
90-100	As above, trace-minor FeOx stains on some grs.
100-110	Qz "gravel" and phos "gravel", most quartz grains are coarse to pebble size, rnd, ltly frosted, gray, clear, milky, a few are flattened; phos @ 2-5% as bl, rnd, grs, grns, rare pebble; a few chunks of phos, coarse-pebble Ss; a few chunks of FeOx stained wh, yel wh, sdy Ls.
110-120	Qz sand, f-m-c & some pebbles, most are med to coarse size; phos @ 2-5% as grs & grns; a little yel wh, v moldic, fos stgly rexal Ls; a little phos Ss, with coarse to med grs.
120-130	Qz sand, f-m-c & common pebbles(a few pebbles are flattened); phos @ 2-4% as bl grs & grns; a little Ls as above; a little phos, c-m Ss as above.
130-140	Qz sand, f-m-c, a few pebbles; phos @ 2-5% as grs/grns; 5-7% Ls, yel wh, stgly rexal, moldic, sltly sdy, sltly dolomitic(?); minor phos Ss.
140-150	Qz sand, f-m-c, numerous pebbles(some flattened); phos @ 2-5% as grs/grns & a rare pebble; 5-10% Ss & Ls as above.
150-160	40-50% Qz sand, f-m-c, most are med to coarse; phos @ 2-3% as grs/grns; 40-50% Ls, yel wh, yel gray to dk gray, stgly rexal, v moldic, fos, common f drusy calcite lines molds & vugs, the gray colored Ls carries a trace of marcasite(?) and is sltly dolomitic(?), fos are largely shell molds/casts and encrusting bryozoa.
160-170	About 50/50 mix of Qz sand & Ls as above; most Ls is the yel wh variety; phos @ 1-2% as loose grs; no phos in the Ls.
170-180	As above; Ls now is yel wh & common yel gray; phos @ 2-3% as grs/grns, no phos in the Ls.
180-190	70/30 mix of Ls/Qz sand as above; phos @½-1½% as loose grs, and a few grns.
190-200	75-80% Ls as above; 20-25% Qz sand as above.
200-210	60% Ls, wh, fos, fg, numerous mollusk shell frags, common encrusting bryozoa, common worm(?) tubes; 40% cement; tr-minor loose f-m, subrnd-rnd Qz grs.
	Unwashed: As above, with 5-10% loose calc silt.

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Depth in feet below GL	DESCRIPTION
210-220	Ls, wh, fos, as above, now bearing some f-m, subrnd-rnd, Qz grs & a trace of bl, rnd, polished, phos grs; 2-4% lt olive gray, clayey, sltly sdy dolosilt. Unwashed: As above, with minor loose silt.
220-230	As above, with tr-minor dolosilt as above.
230-240	As above, with 3-7% loose Qz sand, m-c, subrnd-rnd; v little phos.
240-250	As above, with tr-minor dolosilt. Unwashed: As above, with tr-minor dolosilt & minor loose, calc silt.
250-260	As above, with tr-minor dolosilt; Ls is sdy to v sdy(Qz grs are rnd-subrnd, med-coarse).
260-270	50% Dolosilt, lt olive gray thru dk gray, some is clayey, most silty, phos, sdy(vf-f); 50% Ls as above; loose phos at 1-3% as grs & fos frags(a few small fish teeth). Unwashed: 55-65% Dolosilt, 35-45% Ls as above.
270-280	50% Dolosilt, med greenish gray, clayey; 50% Ls as above, a little Ls now is v sdy & v phos. Unwashed: 70-80% Dolosilt as above & 20-30% Ls as above.
280-290	65-70% Dolosilt as above, now with more phos as grs, grns & pebbles; 30-35% Ls as above. Unwashed: 70-80% Dolosilt; 20-30% Ls as above.
290-300	Ls, wh, yel gray, sdy, phos, v fos, the yel gray is silty, some cheilostome bryozoa, echinoid spines, mollusks; minor to 3% dolosilt; overall phos @ 1-4%, most as v minute, rnd, bl & a few brnish orange grs; trace Dol.
300-310	Ls/fos as above; trace dolosilt.
310-320	Ls as above, numerous encrusting bryozoa, common cheilostome bryozoa, mollusks; minor dolosilt.
320-330	Ls/fos as above.
330-340	As above.
340-350	As above.
350-360	As above, some echinoid spines.
360-370	As above.

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Depth in feet below GL	DESCRIPTION
370-380	80%Claystone, pale to grayish olive, some is phos, calc, some is thinly laminated; 20% Ls/fos as above; rare Dol; trace dolosilt.
380-390	25-30% Claystone as above, some carries a little dolosilt; 70-75% Ls/fos as above, overall somewhat more sdy & phos than above. Unwashed: 30-40% claystone; 60-70% Ls/fos as above.
390-400	Ls/fos as above; 10-15% claystone as above; tr dolosilt.
400-410	Ls/fos as above; tr-minor Dol, yel gray, vfg xln, sucrosic. Unwashed: As above, with 5-15% loose calc silt & some dolosilt particles.
410-420	Ls/fos as above; tr-minor Dol, yel gray, f-vf xln, sucrosic. Unwashed: As above, with 5-10% loose calc silt & dolosilt.
420-430	As above, with trace phos crust, phos fos frags; some Ls & fos are replaced by coarsely xln calcite. Unwashed: As above, with 15-30% loose calc silt and some dolosilt particles.
430-440	As above, washed & unwashed.
440-450	As above, trace sltly sdy, phos dolosilt. Unwashed: As above, with trace grayish olive clays & 15-25% loose calc silt, clays & some dolosilt particles.
450-460	As above, tr-minor phos grns/fos, tr phos crust; minor yel gray, vfg xln Dol. Unwashed: As above, with 20-30% loose calc silt, clays & dolosilt particles.
460-470	Ls/fos as above; 5% pale olive claystone & grayish olive dolosilt; minor phos crusts & phos fos; tr-minor Dol; rare FeOx stained & altered(weathered?) dol Ls. Unwashed: As above, with 10-15% dolosilt as above.
470-480	Ls/fos as above, some partially replaced by Dol; 10-15% Dol, yel gray, yel wh, fg xln, sucrosic, sltly phos; common phos crusts, phos fos, grns, rare pebble. Unwashed: As above, with 15-30% pale olive to grayish olive, sdy, phos dolosilt & clayey dolosilt.

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Depth in feet below GL	DESCRIPTION
480-490	Ls/fos as above; common fg, v fos, moldic, sltly phos & sdy Ls; 5-10% yel gray, fg xln, sucrosic, phos, sltly sdy Dol; trace yel gray, phos & sdy dolosilt; tr-minor phos crust & phos fos. Unwashed: As above, with 10-15% dolosilt.
490-500	Ls, fg, sltly moldic,sltly phos & sdy, fos, mollusks, gastropods, echinoid spines, some bryozoa; 5-10% Dol, as above; minor-common phos crust & fos. As above, 15-25% grayish olive dolosilt, minor pale olive claystone(unwashed sample).
500-510	40-50% Dol, yel gray to lt olive gray, fg xln, sucrosic, some vfg xln, not sucrosic, some Dol is sltly moldic & sltly phos; 40-50% Ls, wh, fg, sltly moldic, sltly phos, commonly sltly to nearly totally replaced by Dol; trace phos crust & grns; rare Dol/phos bx. Unwashed: As above, with 5-15% loose calc silt & dolosilt.
510-520	Dol/Ls as above-Dol @ 50-60%, Ls @ 40-50%; some Dol is moldic, some with ghost fos; Ls is often partially dolomitized; a little phos crust/Dol bx; common phos crust, grns & fos frags. Unwashed: As above, with 5-10% loose calc silt & dolosilt.
520-530	Ls/Dol as above; minor phos crust. Unwashed: As above, with 4-8% loose calc silt & dolosilt.
530-540	50/50 Ls/Dol as above; minor to common phos crust; trace dolosilt. Unwashed: As above, with 5-15% loose calc silt & dolosilt.
540-550	60-65% Ls as above; 35-40% Dol as above; minor phos crust/fos. Unwashed: As above, with no loose silt or fines.
550-560	70-75% Ls as above; 25-30% Dol as above, some Dol is vfg xln, not sucrosic, brnish gray; tr phos crust; a little v lt gray, micritic-vfg Ls with rare Sorites. Unwashed: As above, with no loose silt or fines.
560-570	Dol/Ls as above; more common v lt gray, micritic-vfg Ls.
570-580	60-65% Ls, wh, vfg, some micritic, a little is v lt gray, both types are sdy & phos, fos; 35-40% Dol as above; minor phos crust.
580-590	Ls, mod orange pink, sdy to v sdy(f-m, clear, ang-subrnd), rarely phos(as minute bl grs), rarely dolomitized(fg, euhedral), rare worm(?) tubes; 30-40% Ls as above; 10% Dol as above; 2-5% phos as grs, grns, fos & minor phos crust.

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Depth in feet below GL	DESCRIPTION
590-600	60-65% Ls/Ss, mod orange pink to v pale orange, sdy to v sdy Ls that grades to a calc, vf-f Ss, rarely phos; sometimes the Ls/Ss is wkly-stgly dolomitized; remainder is a mix of Ls/Dol as at 570-580'.
600-610	20-30% Ls/Ss as above; 30-40% Ls, wh, v lt gray vfg-micritic, sdy, phos, fos; 20-30% Dol, yel gray, fg xln, sucrosic, phos, some is grayish brn, vfg xln, not sucrosic; remainder is mix of phos grs, grns, fos frags & a little phos crust.
610-620	Ls/Ss, vpo to mod orange pink as @ 590-600', a few worm(?) tubes, a little is wh & v lt gray color.
620-630	As above, v rarely phos.
630-640	As above.
640-650	As above.
650-660	As above.
660-670	As above.
670-680	As above.
680-690	As above, with 5-15% wh, v lt gray Ls as above; trace Dol; trace tan dolosilt.
690-700	Ls, vpo to mod orange pink, sdy to v sdy, no to rare phos; a little Ls, wh, vfg, chalky; 10-20% Ls, wh, microfos, porous, some carries common forams, sltly sdy, no phos.
700-710	Ls, vpo, wh, microfos, sltly sdy to sdy, no phos.
710-720	As above, with trace dolosilt, greenish gray, sltly phos, v clayey.
720-730	Ls, wh to vpo, microgranular to granular, sltly sdy to sdy, rare to no phos, fos, some peloids, wkly to modly rexal.
730-740	As above.
740-750	As above.
750-760	As above.
760-770	As above, with 25% Ls, vpo, v sdy to sdy, crab claws, echinoid spines, a little coarse calcite; 20% mix of pale olive, very clayey dolosilt & gray olive, fg xln, sucrosic, phos Dol & phos, sdy, fos Ls & a little phos Dol bx/crust. [RSC remarks: This 20% "mix material" may all be cavings/contamination?].

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Depth in feet below GL	DESCRIPTION
770-780	Ls, vpo to grayish orange, sdy to v sdy, v rarely phos, fos, echinoid spines, mollusks, crab claws, a little of this Ls shows weathered & banded calcrete surfaces; some v lt gray & lt gray, micritic, sdy to v sdy, v sltly phos Ls; 10-15% cavings/contamination? material as @ 760-770'.
780-790	Ls, wh to vpo, granular, sltly sdy, wkly rexal, fos; Ls, vpo, sdy to v sdy, fos; some lt gray to v lt gray, micritic, sdy , fos Ls; 10-20% cavings/contamination including sdy - phos Ls, cheilostome bryozoa, phos Dol, phos grs/grns/crust.
790-800	As above.
800-810	80% Ls, wh, microgranular, some fg, fos, no phos, little to no sand, wkly to modly rexal; 20% Ls, vpo, sdy to v sdy, fos.
810-820	Ls, wh to vpo, microgranular & fg, some is sltly sdy, some sdy to v sdy, fos, no phos, modly rexal.
820-830	As above.
830-840	As above.
840-850	As above.
850-860	As above.
860-870	As above, with 15-25% Ls, vpo to grayish orange, stgly rexal, a little weathered calcrete material.
870-880	Ls, wh to vpo, microgranular, granular, peloids, forams, no sand to sltly sdy, no phos, wkly to modly rexal.
880-890	As above.
890-900	As above.
900-910	As above.
910-920	As above.
920-930	As above, overall sand content is increasing, a little pale olive, clayey siltstone(maybe cavings?).

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Depth in feet below GL	DESCRIPTION
930-940	Ls, wh & v pale orange(vpo), microgranular, fos, some with little to no sand, some sdy to v sdy, some to to common peloids & forams.
940-950	As above.
950-960	As above, more of the vpo, sdy to v sdy Ls.
960-970	As above.
970-980	As above.
980-990	As above.
990-1000	As above.
1000-1010	As above.
1010-1020	As above.
1020-1030	As above.
1030-1040	As above, somewhat more stgly rexal than above.
1040-1050	As above.
1050 thru 1120	100% cement. Driller reported lost returns @ 1348'DF, regain partial returns @ 1387'DF. Set 13 3/8" surface casing @ 1387'DF. No cutting samples could be found at the FGS cuttings library in Tallahassee between 1120' thru 1620', although records indicate that samples did exist between 1120 to 1280' and 1380 to 1620'.
1120-1620	Cutting status uncertain, see remarks above.

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Depth in feet below GL	DESCRIPTION
1620-1630	30% Dol, grayish yellow thru grayish orange, med xln, euhedral, some anhedral; 55-60% Ls, v pale orange, modly rexal, v fos, com-numerous small forams & pelletal matter and small echinoid spines; no cones observed; 10-15% cement; no Ocala type forams observed.
1630-1640	As above.
1640-1650	As above, Dol now 35-40%; cement @ ±5%. RSC remarks: Cuttings between 1650' to 1760' are fine to v fine. This may indicate that the well bore was drilled with only partial returns of the drill fluid.
1650-1660	As above, Dol 25-35%; Ls 65-75%; trace cement; Ls is largely v small forams & fragments of forams & echinoid spines; no cones observed.
1660-1670	As above.
1670-1680	As above.
1680-1690	As above.
1690-1700	As above, Dol now @ 15-25%.
1700-1710	As above.
1710-1720	As above, Dol @ 20-25%.
1720-1730	Ls as above; Dol as above, but now some clear, trace to minor lt brn color and sltly more grayish orange; rare Dictyoconus cookei fragment.
1730-1740	As above, Dol @ 10-25%.
1740-1750	As above.
1750-1760	As above.
1760-3700	No cutting samples available. Driller reported lost returns at 1760'DF. Cuttings at 10'interval samples are available at the Florida Geological Survey cuttings library in Tallahassee between 3700' through to 11,720'DF.

DIGITAL FORMATION

Digital Formation, Inc.
Denver, CO USA
RD/Clear Version 2.5.RH

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Company: ELL Offshore Limited
Well Name: 22/30b-Q1-Z1-Z2
Field/Block: 22/30b-Q1-Z1-Z2
Date: 19-Jun-2001 10:08:42 GMT
Time: 19-Jun-2001 10:08:42 GMT

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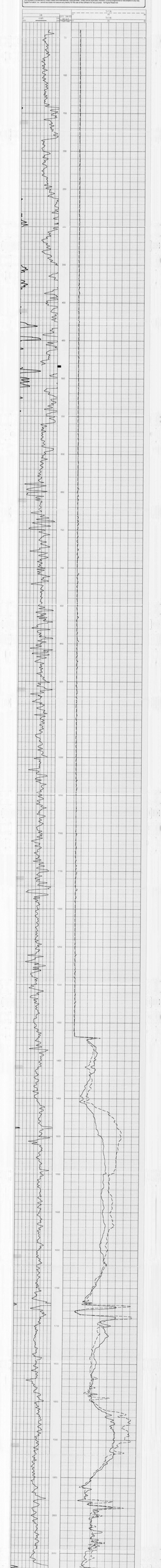

COMPANY	ENI PETROLEUM		
WELL	EWING BANK 873 #1		
FIELD	WILDCAT		
COUNTY			
STATE	GULF OF MEXICO		
LOCATION			
OTHER SERVICES			
PERMANENT DATUM	GROUND LEVEL	ELEVATION	0
LOG MEASURED FROM	KELLY BUSHING		0
DRILLING MEASURED FROM	KELLY BUSHING		
DATE	12-Jun-2006		
RUN NUMBER	ONE		
DEPTH-DRILLER	9,000		
DEPTH-LOGGER	9,000		
BOTTOM LOGGED INTERVAL	9,000		
TOP LOGGED INTERVAL	8,500		
CASING-DRILLER	9 5/8 @ 8,500		
CASING-LOGGER			
BIT SIZE	8 1/2		
TYPE FLUID IN HOLE	SALT WATER		
DENSITY / VISCOSITY	9.0 / 35		
PH / FLUID LOSS	10.0 / 4.0		
SOURCE OF SAMPLE	FLOWLINE		
RM @ MEASURED TEMP	0.0 @ 0		
RMF @ MEASURED TEMP	0.0 @ 0		
RMC @ MEASURED TEMP	0.0 @ 0		
RM @ BHT	0.0 @ 0		
TIME SINCE CIRCULATION	0		
TIME LOGGER ON BOTTOM	0		
MAX. RECORDED TEMP.	0		
EQUIPMENT NO.	3		
LOCATION			
RECORDED BY			
WITNESSED BY			

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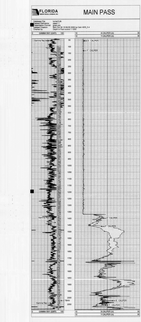
COMPANY	ENI PETROLEUM
WELL	EWING BANK 873 #1
FIELD	WILDCAT
COUNTY	
STATE	GULF OF MEXICO
LOCATION	
OTHER SERVICES	
PERMANENT DATUM	GROUND LEVEL
LOG MEASURED FROM	KELLY BUSHING
DRILLING MEASURED FROM	KELLY BUSHING
DATE	12-Jun-2006
RUN NUMBER	ONE
DEPTH-DRILLER	9,000
DEPTH-LOGGER	9,000
BOTTOM LOGGED INTERVAL	9,000
TOP LOGGED INTERVAL	8,500
CASING-DRILLER	9 5/8 @ 8,500
CASING-LOGGER	
BIT SIZE	8 1/2
TYPE FLUID IN HOLE	SALT WATER
DENSITY / VISCOSITY	9.0 / 35
PH / FLUID LOSS	10.0 / 4.0
SOURCE OF SAMPLE	FLOWLINE
RM @ MEASURED TEMP	0.0 @ 0
RMF @ MEASURED TEMP	0.0 @ 0
RMC @ MEASURED TEMP	0.0 @ 0
RM @ BHT	0.0 @ 0
TIME SINCE CIRCULATION	0
TIME LOGGER ON BOTTOM	0
MAX. RECORDED TEMP.	0
EQUIPMENT NO.	3
LOCATION	
RECORDED BY	
WITNESSED BY