

Well No. 1037 [W-15,138] Elevation G.L. 15.6' D.F. 36.0' K.B. 37.0'

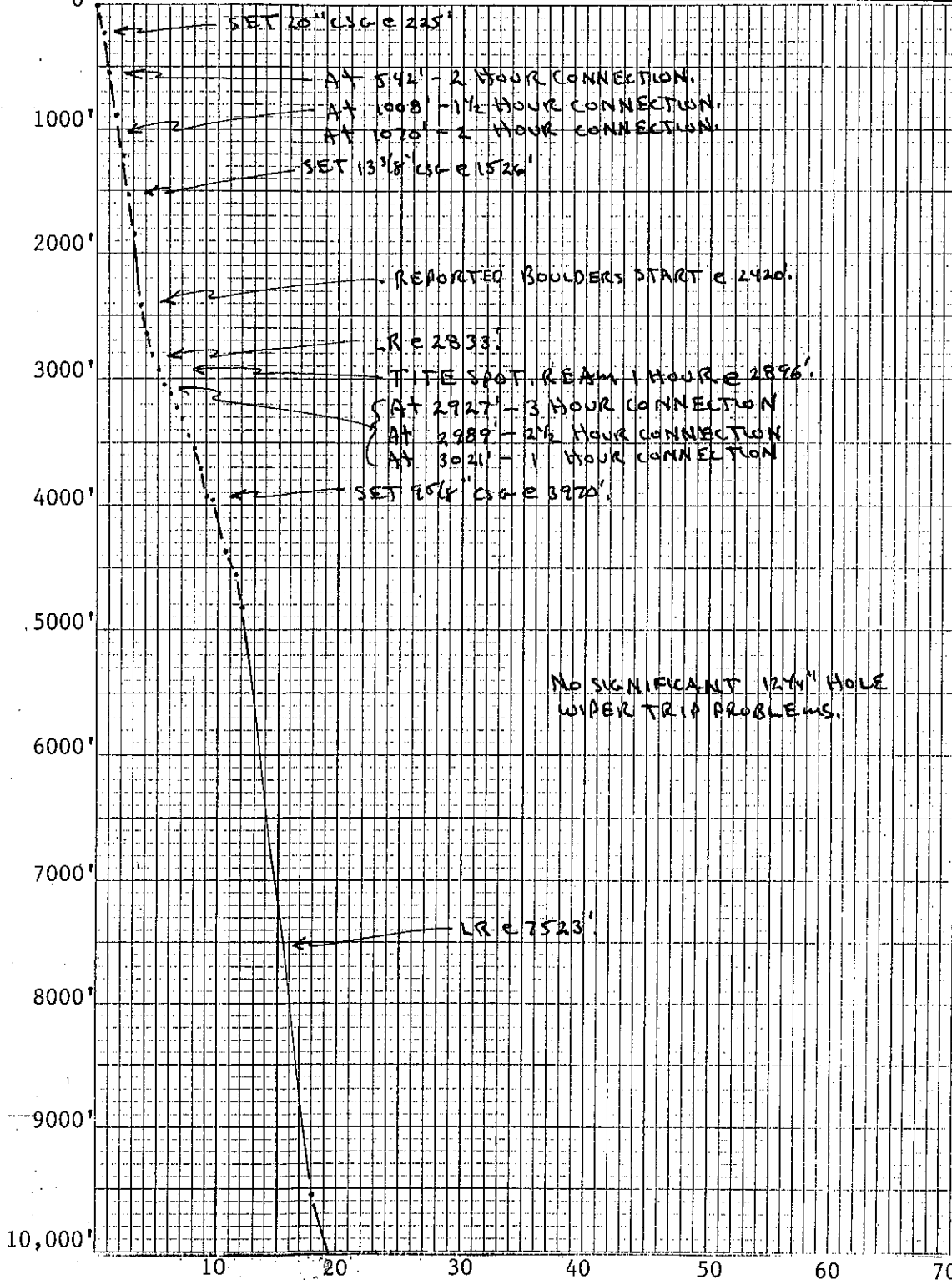
Location 1140' FSL, 1612' FEL County Collier

Sec. 27 T 49S R 31E TD 11,866'

Well or Owner's Name Hughes & Hughes 27-4 Gerry Bros.

Data Source Fort Myers O/G Well Files

DEPTH BELOW D.F.



NO SIGNIFICANT 12 1/4" HOLE  
WIPER TRIP PROBLEMS.

DAYS DRILLING

PERMIT #1037

W-15,138

Hughes & Hughes  
#27-4 Gerry Brothers  
1140' FSL 1612' FEL  
Sec.27 T49S R31E  
Immokalee 4 NW Quad, Collier County  
GL:15.55' DF:36' TD:11,866'  
Spud:02/26/82 P&A:10/21/85

WET SAMPLE LIST			
INTERVAL (FT.)	MISSING INTERVAL (FT)	INTERVAL (FT.)	MISSING INTERVAL (FT)
0-30		1060-1090	
30-60		1090-1120	
60-90		1120-1150	
90-120		1150-1180	
120-150		1180-1210	
150-180		1210-1240	
180-210		1240-1270	
210-225			1270-1280
225-240		1280-1310	
240-270		1310-1340	
270-300		1340-1370	
300-330		1370-1400	
330-360		1400-1430	
360-390		1430-1460	
390-420		1460-1490	
420-450		1490-1520	
450-480			1520-1526
480-510		1526-1556	
510-540		1556-1586	
540-570		1586-1616	
570-600		1616-1636	
600-630		1636-1666	
630-660		1666-1696	
660-690		1696-1726	
690-720		1726-1756	
720-750		1756-1786	
750-780		1786-1816	
780-810		1816-1846	
810-840		1846-1876	
840-870		1876-1906	
970-900		1906-1936	
900-930		1936-1956	
930-970		1956-1986	
970-1000		1986-2016	
1000-1030		2016-2036	
1030-1060			2036-2046

Permit #1037W-15,138, Hughes & Hughes, #27-4 Gerry Bro.  
 Immokalee 4 NW Quad

WET SAMPLE LIST			
INTERVAL (FT.)	MISSING INTERVAL (FT)	INTERVAL (FT.)	MISSING INTERVAL (FT)
2046-2076		2476-2506	
2076-2106		2506-2536	
2106-2136		2536-2566	
2136-2166		2566-2596	
2166-2196		2596-2626	
2196-2226		2626-2656	
2226-2256		2656-2686	
2256-2286			2686-2741
2286-2316		2741-2771	
2316-2344		2771-2801	
2344-2386		2801-2831	
2386-2416		2831-2861	
2416-2446		2861-2891	
2446-2476			2891-3970

PERMIT #1037

W-15,138

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#27-4 Gerry Brothers  
1140' FSL 1612' FEL  
Sec.27 T49S R31E  
Immokalee 4 NW Quad, Collier County  
GL:15.55' DF:36.0' TD:11,866'  
Spud:2/26/82 P&A:10/21/85

Brief lithlog of washed cuttings by R.S. Caughey in July/August, 1996. Cuttings available at the Fort Myers Oil & Gas field office and at the Florida Geological Survey cuttings library in Tallahassee

<u>Depth</u> <u>(FT.)</u>	<u>Description</u>
0-30	Wh & lt gray, grayish yel, v fos, por Ls, some with a little sand, rare to no phos
30-60	Lt to med gray, por, fos Ls, sltly sdy, minor phos
60-90	Yellowish gray & some lt gray, fos Ls, sltly sdy & phos; phos as grs <1%
90-120	Ls as above, but more sdy, still sltly phos, phos ±1%
120-150	Ls as above & some dk green/gray, sdy dolosilt, Ls is more sdy than 90'-120', common loose, subrnd Qz grs/grns; phos ±1%
150-180	Largely loose Qz, subrnd, grns/pebbles, some phos grns, common dolo-silt, some Ls
180-210	Mix of pale olive, sdy, phos dolosilt & loose Qz/phos, subrnd, grs/grns/pebbles; some wh, silty, fos Ls
210-225	Mix of loose, subrnd Qz grs/grns/pebbles; some subrnd, bl, phos grs/grns/pebbles; pale olive, sdy, phos Sltst & yel gray-wh, fos Ls
225-240	Grayish olive green, sdy, phos dolosilt w/minor Ls
240-270	As above, w/minor Ls
270-300	Grayish olive green, sdy, sltly phos dolosilt
300-330	Dusky yel green, sltly sdy dolosilt
330-360	Dusky yel green, phos-v phos, sltly sdy dolosilt
360-390	Dusky yel green to grayish yel green, sdy, phos, fos Ls

#1037, W15,138, Hughes & Hughes, #27-4 Gerry Bro., Immokalee 4 NW Quad

<u>Depth</u> <u>(FT.)</u>	<u>Description</u>
390-420	Dolosilt as above & wh, silty, sdy, phos, fos Ls
420-450	Wh, sltly sdy, silty, phos, fos Ls, common cheilostome bryozoan; tr grayish yel, fg xln Dol; overall phos $\leq$ 1%
450-480	Ls/minor Dol as above; phos $\pm$ 1%
480-510	Ls/minor Dol as above; phos 1-2%
510-540	Ls/Dol as above & 60% yellowish gray, silty, sdy, phos, fos Ls; overall phos 1-2%
540-570	Largely yel gray Ls as above, minor Dol; phos 1-3%
570-600	Wh & grayish yel, phos, sdy, some silty, fos Ls, phos 3-6% as grs, some grns & common fos fragments
600-630	Ls as above, overall more silty & sdy, some v sdy to calc Ss, phos 3-8%
630-660	Wh, fg, part rexal, v fos Ls, num cheilostome bryozoan, minor phos; some Ls as above
660-690	Wh Ls as above, num cheilostome bryozoan; minor phos specks
690-720	Mix of wh Lsw/abund cheilostome bryozoa & v silty, fg, yel gray Ls, some phos, some appears to be dolomitized by v fg, xln Dol, common LCM (Lost Circulation Material)
720-750	80% wh, sdy, phos, part rexal Ls, phos 3-6%; 10% very pale orange (vpo), sltly sdy, fg Ls, phos 1%; 10% yellowish gray, v fg, xln Dol
750-780	Wh, vpo, grayish yel, yel gray, sdy to v sdy, sltly phos Ls, phos 1-2%
780-810	Ls as above, most is vpo, some is v silty, phos 1-2%
810-840	Largely vpo, v sdy, sltly silty, fos Ls, phos 1%, some actually a calc Ss; a few echinoids
840-870	Mix of vpo Ls as above; wh, sdy-v sdy Ls; some lt to med gray, sdy, fos Ls, some Ls is coarsely rexal; some vpo, lt gray, calc, phos Ls; overall phos 1-2%
870-900	About 50% vpo, chalky, v fos to pelletal, por, sltly sdy Ls, trace to no phos; 50% mix of Ls/Ss as above, cheilostome bryozoan present
900-930	Largely vpo, sdy-v sdy, part rexal, fos Ls, trace to no phos; some vpo, chalky Ls as above

#1037, W15,138, Hughes & Hughes, #27-4 Gerry Bro., Immokalee 4 NW Quad

<u>Depth</u> <u>(FT.)</u>	<u>Description</u>
930-970	Largely very pale orange (vpo), sltly sdy-v sdy, fos, fg Ls, trace to no phos, some wh & lt gray, sdy, fos Ls, minor phos specks
970-1000	Wh & vpo, sdy, fos, part rexal Ls, trace to no phos, v lt gray, sltly phos Ss, phos 1-2%
1000-1030	Mix of wh to vpo, part rexal, sdy, fos Ls, w/minor phos specks/grs & wh & v lt gray, phos, fos Ss, 1-2% phos grs
1030-1060	Ls/Ss as above, minor yel gray, fg xln Dol
1060-1090	Largely yellowish gray, fg xln Dol, sdy-v sdy, phos to sltly phos, some w/shell molds, phos 1-3%; some Ls/Ss as above; minor LCM
1090-1120	Dol as above
1120-1150	60% vpo, fg, sdy-v sdy, fos Ls, minor to no phos; 40% Dol as above, 1-3% phos grs; moderate LCM
1150-1180	60% Dol as above; 40% Ls as above, some Ls now is phos ( $\pm 1\%$ ); moderate LCM
1180-1210	Largely vpo, part rexal, fg, sdy, fos Ls, most sand is v fg, a few cones ( <u>D. cookei?</u> ), trace to minor phos specks; some Dol as above
1210-1240	Largely vpo Ls as above, 5-10% grayish orange, fg xln Dol, minor wh, microgran Ls, w/o sand or phos
1240-1270	80% wh & vpo, fg & microgran, fos Ls, trace to no sand or phos; 20% med gray, finely xln Ls; minor Dol as above
1270-1280	No sample
1280-1310	50% wh to vpo, chalky, fg to microgran, fos Ls, common large, wh-vpo <i>Lepidocyclina</i> fragments; 50% lt to med gray, yellowish gray & vpo, v fg to med xln Dol, most is vuggy w/euhedral Dol xls in vugs, there doesn't appear to be any sand or phos in the Dol
1310-1340	95% vpo, fg-microgran, fos Ls, w/common-numerous <i>Lepidocyclina</i> fragments, a few <i>Lepidocyclina</i> are v lt gray color, remaining are vpo, a little of this Ls is being replaced by minute Dol rhombs in the ground-mass; 5% lt & med gray, some vpo Dol as above
1340-1370	Vpo, microgran, fos Ls, common <i>Lepidocyclina</i> fragments; minor med gray, v fg Dol, rare, v lt gray <i>Lepidocyclina</i> fragments

#1037, W15,138, Hughes & Hughes, #27-4 Gerry Bro., Immokalee 4 NW Quad

<u>Depth</u> <u>(FT.)</u>	<u>Description</u>
1370-1400	Vpo, microgran, fos Ls, common <i>Lepidocyclina</i> , <i>Camerina</i> & <i>Operculinoides</i> ; a few v lt gray <i>Lepidocyclina</i> , most vpo
1400-1430	Ls, vpo, microgran, fos Ls, abundant <i>Lepidocyclina</i> , <i>Operculinoides</i> & <i>Camerina</i>
1430-1460	Ls/fossils as above
1460-1490	Ls/fossils as above
1490-1520	Ls as above, abundant <i>Camerina</i> , numerous <i>Operculinoides</i> , some <i>Lepidocyclina</i>
1526-1556	Ls as above, a few <i>Dictyoconus cookei</i> , minor lt to med gray, fg Ls
1556-1586	Mix of vpo, microgran, fos Ls & vpo, gran, v fos Ls, trace carb specks
1586-1616	Ls as above
1616-1636	Ls as above, sltly more carb matter, common <i>D. cookei</i> ; a little grayish orange Ls
1636-1666	Vpo & wh, microgran & gran, fos Ls, carb matter & thin laminations common but minor, some Ls is pelletal, some cones; some lt gray, fg Ls
1666-1696	Ls as above, some large, sltly flattened cones
1696-1726	Mix of vpo, fg, microgran, gran Ls, some lt gray, microgran Ls, minor grayish orange, v fg-micritic Ls, minor pale yel orange, rexal, pelletal Ls
1726-1756	Vpo & wh, microgran-fg, fos Ls, some lt gray, fg Ls; some cones
1756-1786	Vpo, microgran-gran, fos Ls, some is sltly carb; some lt gray, fg Ls
1786-1816	Ls as above
1816-1846	Ls as above
1846-1876	Ls as above
1876-1906	Ls as above
1906-1936	Largely vpo-grayish yel, microgran Ls
1936-1956	Ls as above, carb specks & thin laminations are present; 2-4% moderate brn, fg, euhedral Dol replaces some Ls

#1037, W15,138, Hughes & Hughes, #27-4 Gerry Bro., Immokalee 4 NW Quad

<u>Depth</u> <u>(FT.)</u>	<u>Description</u>
1956-1986	Ls as above, 4-8% Dol as above, but now most is clear, pale yel orange or grayish orange
1986-2016	Ls/Dol as above
2016-2036	Ls/Dol as above, Dol now 2-6%
2036-2046	No sample
2046-2076	5-15% moderate brn to dk brn, largely anhedral xln Dol, a few small euhedral xl aggregates, remainder is very pale orange (vpo), chalky, fg to gran Ls, some cones; minor LCM
2076-2106	Same as above
2106-2136	Ls as above, ≤5% Dol as above
2136-2166	Ls as above, some carb laminations, 5-10% Dol as above, euhedral aggregates sltly more common
2166-2196	Ls as above; 10-15% Dol as above, some is dk yellowish brn, euhedral aggregates common
2196-2226	Ls as above, appears more silty; ≤5% Dol as above
2226-2256	Ls/Dol as above
2256-2286	Nearly all Ls, appears to be silty
2286-2316	Ls as above, minor Dol
2316-2344	Ls as above, trace Dol
2344-2386	Ls as above, both vpo & wh; 10-20% Dol, vpo, grayish orange, pale yellowish orange, nearly all as euhedral xls & aggregates; possible trace gypsum
2386-2416	Ls/Dol as above. Driller reported bouldery drilling starts at 2420'.
2416-2446	Ls as above, 10-20% Dol, moderate brn, vpo, grayish orange & grays, mix of anhedral xln & euhedral aggregates
2446-2476	40% Ls as above; 60% Dol, most as pale yellowish brn & vpo, fg xln, some as euhedral aggregates



#1037, W15,138, Hughes & Hughes, #27-4 Gerry Bro., Immokalee 4 NW Quad

<u>Depth</u> <u>(FT.)</u>	<u>Description</u>
2476-2506	100% Dol, mix of fg xln, anhedral & euhedral aggregates, pale yel brn, vpo, some grays, some grayish orange, rare dk grays
2506-2536	50% Ls as above; 50% Dol, most as very pale orange (vpo), pale yel brn, euhedral aggregates, some anhedral
2536-2566	30% Dol, mostly vpo & euhedral aggregates; 70% Ls, vpo, wh, chalky; minor bl, laminated, lignitic matter
2566-2596	25% Dol; 75% Ls as above, ≤1% bl, laminated, lignitic matter
2596-2626	75% Ls; 25% Dol as above, minor lignitic matter as above
2626-2656	80% Ls; 20% Dol as above, minor lignitic matter as above
2656-2686	80% Ls; 20% Dol as above, minor lignitic matter as above
2686-2741	No samples
2741-2771	50% Ls, wh, vpo, v lt gray, lt gray, fg to v fg, some dolomitized by euhedral Dol in the matrix; 50% Dol, vpo, grayish orange, grays, some moderate brn, much as euhedral aggregates, some anhedral, some fg xln
2771-2801	65% Dol, vpo, pale yel brn, grayish orange, moderate brn, dusky brn, most is anhedral & fg xln, common euhedral aggregates, some have carb laminations, dusky brn probably w/much carb matter; 35% Ls as above
2801-2831	70% Ls as above; 30% Dol as above, euhedral aggregates more common, most vpo & grayish orange, some grays
2831-2861	75% Ls as above, 25% Dol as above, most as euhedral aggregates, grays make up ±half of Dol
2861-2891	60% Ls as above; 40% Dol, largely as vpo, euhedral xl aggregates
2891-3970	No samples. Driller reported lost circulation at 2833' DF

Remarks: Cuttings between 1876' & 2891' are generally fine to v fine, possibly due to only partial returns to the surface.

Permit No. 1037 API 09-021-20151 County Collier Immokalee 4 NW  
 , Florida

Company Hughes & Hughes Fee Gerry Bros. 27-4

Location: SHL 1140.1' FSL, 1612.1' FEL of SE/4 Sec. 27 T. 49S R. 31E  
 BHL \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_

Elevation: G. L. 15.55' D. F. 36.0' K. B. 37.0' Depth Measured from KB

Spud: 2/26/82 Completed 6/24/82 Status P&A 10/21/85

Logs DIL 3970-11,860', BCSL 8000-11,832'

Casing Record 20" csg @ 225' w/500sx; 13 3/8" csg @ 1526' w/900sx; 9 5/8" csg @ 3970' w/400sx;  
5 1/2" csg @ 11,866' w/200sx.

This log prepared by C.V. Gordon, Fla. Bur. Geology Date March 1982

Remarks Lost returns @ 2833' and 7523'. Reported bouldery drilling starts @ 2420'.

Drilling Rate min/ft.			Lith.	Depth	Description/Remarks
5	10	15			
					0-60' Wh, lt gray, gray yel, v fos, por Ls, some sltly sdy, little to no phos
					GAMMA RAY API UNITS
					Gamma Ray Survey is from #799, oil test well about 5000 feet south of #1037
				60-120'	Yel gray, some lt gray, fos, sltly sdy, pho: Ls, phos ±1%
				120-150'	Ls as above, more sdy; some dk green/gray, sdy dolosilt; some loose Qz grs/grns; phos ±1%
				150-225'	Largely loose, subrnd Qz grns/pebbles/grs; some phos grs/grns/pebbles @ 180'-210'; locally some dolosilts, Sltst & Ls
				225-270'	Grayish olive green, sdy, phos dolosilt, with minor Ls
				270-300'	Grayish olive green, sdy, sltly phos dolosilt
				300-390'	Dusky yel green, sltly to v phos dolosilt
				390-420'	Dolosilt as above w/wh, silty, sdy, phos, fos Ls
				420-520'	Wh, sltly sdy, silty, phos, fos Ls; common Cheilostome bryozoan; trace gray yel, fg xln Dol; over all phos ≤1%
				520-570'	Yellowish gray, silty, sdy, phos, fos Ls; phos 1-3%
				570-630'	Wh & gray yel, phos, sdy, some silty, fos Ls; phos 3-6% as grs, some grns & common fos fragments
				630-700'	Wh, fg, part rexal, v fos Ls, numerous cheilostome bryozoan, minor phos
				700-730'	Yel gray, v silty, fg Ls, some dolomitized by v fg, xln Dol; common LCM [Lost Circulation Material]
				730-750'	Wh, sdy, phos, part rexal Ls, phos 3-6%, some yel gray, v fg, xln Dol
				750-840'	Wh, vpo, gray yel, yel gray, sdy to v sdy sltly phos Ls, phos 1-2%; some Ls is v silty; 810'-840' some calc Ss, a few echinoids
				840-870'	Mix of vpo Ls; wh, sdy-v sdy Ls; some lt gray, sdy, fos Ls; some Ls is coarsely rexal; some calc Ss; overall phos 1-2%
				870-900'	50% vpo, chalky, v fos to pelletal, por Ls w/little sand & trace-no phos & Ls as above
				900-1000'	Vpo, sdy- v sdy, part rexal, fos Ls, trace-no phos; some wh-lt gray, sdy, fos Ls, minor phos; some v lt gray, sltly phos Ss

Permit No. 1037 API 09-021-20151 County Collier, Florida  
 Company Hughes & Hughes Fee Gerry Bros. 27-4

Drilling Rate		GAMMA RAY API UNITS	Lith.	Depth	Description/Remarks
5	10	0 100			
Gamma Ray from #799 ±5000 feet south of #1037					1000-1060' Mix of wh-vpo, part rexal, sdy, fos Ls w/minor phos specks/grs & wh- v lt gray, phos, fos Ss, phos 1-2% as grs
				1100	1060-1120' Yel gray, fg xln Dol, sdy-v sdy, phos- sltly phos, some shell molds, phos 1-3%; minor LCM
				1200	1120-1180' Mix of Dol as above & vpo, fg, sdy-v sdy, fos Ls, minor to no phos; moderate LCM(Lost Circulation Material).
				1200	1180-1240' Vpo, part rexal, fg, sdy, fos Ls, most sand is v fg, a few cones; trace-minor phos specks; some Dol as above
				1240	1240-1270' Wh-vpo, fg-microgran, fos Ls, trace-no sand or phos; some med gray, f xln Ls; minor Dol
				1270	1270-1280' No sample
				1280	1280-1310' Wh-vpo, fg-microgran, fos Ls w/common large <u>Lepidocyclina</u> fragments; Dol, yel gray, v fg-med xln, most is vuggy w/Dol xls
				1310	1310-1340' Ls w/ <u>Lepidocyclina</u> as above, some Ls dolomitized by minute, Dol xls in matrix
				1340	1340-1370' Vpo, microgran, fos Ls, common <u>Lepidocyclina</u> fragments; minor med gray, v fg Dol
				1370	1370-1490' Vpo, microgran, fos Ls, common to abundant <u>Lepidocyclina</u> , <u>Camerina</u> , <u>Operculinoides</u>
				1490	1490-1520' Ls as above, abundant <u>Camerina</u> , numerous <u>Operculinoides</u> , some <u>Lepidocyclina</u>
				1520	1520-1526' No sample
				1526	1526-1556' Ls as above, a few <u>Dictyoconus cookei</u> ; minor lt-med gray, fg Ls
				1556	1556-1666' Vpo, microgran, fos Ls & vpo, gran, v fos Ls, trace carb specks & laminations, some <u>D. cookei</u>
				1666	1666-1696' Ls as above; cones, some sltly flattene
				1696	1696-1726' Mix of vpo, v lt gray, grayish orange & pale yel orange Ls
				1726	1726-1906' Vpo, some wh, microgran-fg, fos Ls, some lt gray, fg Ls; some cones; some Ls is sltly carb
				1876	Cuttings below 1876' are generally fine to v fine, possibly due to only partial circulation
				1906	1906-2046' Vpo-gray yel, microgran Ls, some with carb specks & laminations; 2-8% Dol, moderate brn, pale yel orange, grayish orange & clear, fg, euهدral, commonly replaces the Ls
				2046	2046-2136' Vpo, chalky, fg to gran Ls, some cones; some moderate brn-dk brn, anhedral, xln Dol, a few small, euهدral xl aggregates, minor LCM
				2136	2136-2200' Ls as above; 5-15% Dol as above w/ euهدral xl aggregates more common

Permit No. 1037 APT-09-021-20151

County Collier

Company Hughes & Hughes

Fee 27-4 Gerry Bros.

Drilling Rate Min/Ft		GAMMA RAY API UNITS 100	Depth	Description/Remarks
5	10			
		Gamma Ray from #799 ±5000 feet south of #1037	2200'	2200-2346' Vpo, chalky, fg to gran Ls, some is silty; trace to minor Dol as above
			2300'	2346-2446' Vpo & wh, fg-gran Ls; 10-20% Dol as vpo, gray orange, pale yel orange, grays, much as euhedral xls & aggregates, some anhedral
			2400'	2446-2476' 40% Ls; 60% Dol, most pale yel brn & vpo, fg xln, some euhedral aggregates
			2500'	2476-2506' 100% Dol, fg xln, anhedral & euhedral aggregates; pale yel brn, vpo, some grays, some grayish orange, rare dk grays
			2600'	2506-2536' 50% Ls/50% Dol as above
			2700'	2536-2626' 70% Ls/30% Dol, most as vpo, pale yel brn, euhedral aggregates, some anhedral; minor bl, thinly laminated, lignitic matter
			2800'	2626-2686' 80% Ls/20% Dol as above, minor lignitic matter
			2900'	2686-2741' No samples
			3000'	2741-2771' 50% Ls, wh-vpo, v lt gray, lt gray, fg to v fg, some dolomitized by euhedral Dol in matrix; 50% Dol, vpo, gray orange, grays, moderate brn, much as euhedral aggregates, some anhedral, some fg xln
			3100'	2771-2801' 65% Dol, vpo, pale yel brn, grayish orange, moderate brn, dk brn, most is euhedral aggregates, some have carb laminations, dk brn w/much carb matter
			3200'	2801-2861' 70% Ls as above; 30% Dol as above, euhedral aggregates more common, most is vpo & gray orange, some grays
			3300'	2861-2891' 60% Ls as above; 40% Dol, largely vpo, euhedral xl aggregates
			3400'	2891-3970' No samples. Driller reported lost circulation at 2833' DF.

Permit No. 1037 API 09-021-20151 County Collier, Florida  
Company Hughes & Hughes Fee Gerry Bros. 27-4

Drilling Rate Min./Ft.	Lith.	Depth	Description/Remarks
5                      10                      15			
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	Largely gray cmt between 3970' to 4000'.
		4100	Gray to white, sucrosic Anhydrite.
		4200	
		4300	
		4400	
		4500	
		4600	