

Lee County S22 T46 R26
X 429568 Y 711443

14

707

-82

12"

PVC

Depth (ft)		Lithology	
Top	Bottom		
0	1	Sand, dark yellowish brown (10YR 4/2), fine to medium grained, subangular to subrounded, some silt, clay and organics	
1	11	Limestone, grayish yellow (5Y 8/4), biomicritic, abundant shell fragments, fair moldic porosity, fair apparent permeability	
11	13	Clay, pale olive (10Y 6/2), sticky, some fine grained quartz sand, subangular to subrounded	
13	15	Limestone, dusty yellow (5Y 6/4), biomicritic, abundant shell fragments, fair to low moldic porosity, fair apparent permeability, very hard drilling	
15	20	Limestone, very pale orange (10YR 8/2), biomicritic, common shell fragments, fair moldic porosity, fair apparent permeability	
20	32	Limestone, yellowish gray (5Y 7/2), biomicritic, some shell fragments, minor sparite, fair moldic porosity, fair apparent permeability	
32	35	Clay, yellowish gray (5Y 7/2), soft, some phosphatic sand, minor very fine grained quartz sand	
35	55	Clay, greenish gray (5GY 6/1), soft, sticky, rare fine phosphate sand	
55	60	Clay, greenish gray (5GY 6/1), soft, sticky, some fine phosphate sand and phosphate granules, well rounded	
60	84	Clay, greenish gray (5GY 6/1), stiff, sticky, some fine phosphate sand	
84	108	Limestone, yellowish gray (5Y 7/2), biomicritic, some shell fragments, fair to good moldic porosity, fair to good apparent permeability	
108	110	Sandstone, yellowish gray (5Y 7/2), fine to medium grained, subangular to subrounded, moderate sphericity, some shell fragments, minor sparite, fair moldic porosity, fair apparent permeability	
110	115	Sandstone, yellowish gray (5Y 7/2), fine to medium grained, subangular to subrounded, moderate sphericity, some shell fragments, minor sparite, rare fine to medium phosphate sands and granules, fair moldic porosity, fair apparent permeability	
115	143	Sandstone, yellowish gray (5Y 7/2), fine to medium grained, subangular to subrounded, moderate sphericity, common shell fragments, rare fine to medium phosphate sands and granules, fair moldic porosity, fair apparent permeability	
143	145	Clay, greenish olive (10Y 4/2), soft, common to abundant shell fragments	
145	147	Clay, pale greenish yellow (10Y 8/2), soft, common to abundant shell fragments	
147	158	Shell hash, pale greenish yellow (10Y 8/2), abundant clay, soft	
158	175	Clay, pale greenish yellow (10Y 8/2), soft, common to abundant shell fragments	
175	180	Clay, pale greenish yellow (10Y 8/2), soft, common to abundant shell fragments, some phosphate granules and fine to medium phosphate grains	
180	190	Marl, olive gray (5Y 6/1), stiff, sticky, some shell fragments, some phosphate granules, fine to medium phosphate sand, minor limestone fragments- biomicritic, fair to good porosity, fair to good apparent permeability	
190	220	Clay, dark greenish gray (5 GY 4/1), stiff, sticky, some shell fragments and phosphate granules	
220	258	Limestone, very light gray (N6), biomicritic, some shell fragments, common to abundant fine to medium grained phosphate sand, fair moldic porosity, fair to good apparent permeability	
258	280	Clay, light olive gray (5Y 6/1), soft, abundant fine phosphate sand	
280	286	Limestone, very light gray (N6), biomicritic, some shell fragments, common fine grained phosphate sand, fair moldic porosity, fair to low apparent permeability	
286	358	Limestone, yellowish gray (5Y 8/1), biomicritic, some shell fragments, common fine grained phosphate sand, fair moldic porosity, fair to low apparent permeability	
358	387	Clay, pale olive (10Y 6/2), sticky, some fine grained phosphate sand	
387	442	Limestone, pale greenish yellow (10 Y 8/2), biomicritic, common shell fragments, minor fine phosphate sand, fair moldic porosity, fair apparent permeability	
442	451	Clay, pale greenish yellow (10Y 8/2), soft, abundant fine phosphate sand, common shell fragments last 5'	
451	462	Limestone, pale greenish yellow (10 Y 8/2), biomicritic, common shell fragments, minor phosphate sand, fair moldic porosity, fair apparent permeability	
462	486	Clay, pale olive (10Y 6/2), sticky, soft increasingly stiffer with depth, some fine phosphate sand, slow drilling	

~~RECORDED IN SPOTLIGHT WELL~~
~~SPOTLIGHT WELL~~

Depth (ft)		Lithology
Top	Bottom	
486	493	Limestone, grayish yellow (5Y 8/4), biomicritic, some shell fragments, fair to good moldic porosity, fair apparent permeability
493	522	Marl, yellowish gray (5Y 7/2), soft, abundant shell fragments, abundant phosphate granules and sand
522	532	Limestone, yellowish gray (5Y 7/2), biomicritic, some shell fragments, minor fine phosphate sand, fair moldic porosity, fair apparent permeability
532	535	Marl, pale olive (10Y 6/2), soft, sticky, some shell and limestone (as above) fragments, some phosphatic granules
535	542	Limestone, yellowish gray (5Y 7/2), biomicritic, some shell fragments, some fine - medium sand, subangular to subrounded, well sorted, some fine to medium phosphate sand, good moldic porosity, fair apparent permeability
542	554	Marl, yellowish gray (5Y 7/2), soft, abundant shell fragments, abundant phosphate granules and sand
554	555	Limestone, light olive gray (5Y 5/2), biomicritic, very hard, good moldic porosity, good apparent permeability
555	565	Limestone, light olive gray (5Y 5/2), biomicritic, hard, some sucrosic dolomite, good moldic porosity, good apparent permeability
565	588	Limestone, light olive gray (5Y 5/2), biomicritic, some sucrosic dolomite, rare soft clays, good moldic porosity, good apparent permeability
588	588	Limestone, light olive gray (5Y 5/2), biomicritic, hard, some sucrosic dolomite, good moldic porosity, good apparent permeability (1' void from 578' - 579')
588	598	Limestone, yellowish gray (5Y 8/1), biomicritic, some dolomite, some very coarse grained phosphate sand and phosphate granules, fair to good moldic porosity, fair apparent permeability
598	600	Limestone, yellow gray (5Y 7/2), biomicritic, some dolomite, fair to good moldic porosity, fair apparent permeability
600	608	Limestone, very light gray (N8), biomicritic, highly fractured, abundant dolomite, good to excellent moldic porosity, good to excellent apparent permeability
608	612	Limestone, light olive gray (5Y 5/2), biomicritic, very hard, abundant dolomite, some sucrosic dolomite, good to excellent porosity, good to excellent apparent permeability
612	615	Dolomite, light olive gray (5Y 8/1), biomicritic, very hard, poor porosity, poor apparent permeability
615	626	Limestone, yellowish gray (5Y 8/1), biomicritic, highly fractured, minor dolomite infill casts, fair to good moldic porosity, good apparent permeability
626	633	Limestone, yellowish gray (5Y 8/1), biomicritic, minor dolomite, fair to good moldic porosity, good apparent permeability
633	643	Marl, yellowish gray (5Y 8/1), biomicritic, abundant limestone fragments - as above, echinoderm fragments, some dolomite
643	644	Dolomite, pale yellowish brown (10YR 6/2), micritic, poor porosity, poor permeability
644	648	Marl, yellowish gray (5Y 8/1), biomicritic, abundant limestone fragments - as above (626' - 633'), some dolomite, some phosphate granules, some fine to coarse sand
648	658	Limestone (probably dolomitic), yellowish gray (5Y 8/1), biomicritic, highly fractured, with sand filling fractures, excellent porosity, excellent apparent permeability, poor returns
658	663	Marl, yellowish gray (5Y 8/1), biomicritic, abundant limestone fragments - as above, some dolomite, some phosphate granules, some fine to coarse sand
663	676	Limestone, yellowish gray (5Y 8/1) biomicritic, some dolomite, minor very fine to coarse phosphate sand, rare sparite, excellent porosity, excellent apparent permeability
676	680	Marl, yellowish gray (5Y 8/1), biomicritic, abundant limestone fragments - as above (663' - 676'),
680	687	Limestone, yellowish gray (5Y 8/1), biomicritic, some dolomite, minor very fine to coarse phosphate sand, rare sparite, rare lime mud, excellent porosity, excellent apparent permeability
687	690	Limestone, dusky yellow (5Y 6/4), biomicritic, excellent porosity, excellent apparent permeability

~~LITHOLOGY LOG FOR ENP-730~~
 PINEYWOODS EXPLOVORY WELL
 NE SE SEC 25 Twp 29 S

Depth (ft) Top	Bottom	Lithology
690	695	Limestone, dusky yellow (5Y 6/4), biomicritic, very hard, some dolomite, some fine to coarse phosphate sand and granules, excellent porosity, excellent apparent permeability
695	702	Marl, yellowish gray (5Y 8/1), biomicritic, abundant limestone fragments - as above (690' - 695'), some dolomite, some phosphate granules and fine to coarse sand
702	710	Limestone, light brown (5YR 6/4), micritic and biomicritic, minor dolomite, rare phosphate granules, fair porosity, fair to poor apparent permeability
710	717	Lime mud, white (N9), stiff, sticky, abundant phosphate granules and pebbles, minor shell fragments and limestone fragments as above
717	717.5	Limestone, yellowish gray (5Y 8/1), biomicritic, good to excellent porosity, good to excellent apparent permeability
717.5	718	Clay, dark greenish gray (5 GY 4/1), stiff, sticky
718	720	Lime mud, white (N9), stiff, sticky, some shell fragments and limestone fragments as above
720	723	Marl, yellowish gray (5Y 8/1), biomicritic, some phosphate granules and fine to coarse sand
723	726	Lime mud, white (N9), stiff, sticky, some shell fragments and limestone fragments as above
726	728	Limestone, yellowish gray (5Y 8/1), biomicritic, some dolomite, minor very fine to coarse phosphate sand, good porosity, good apparent permeability
728	755	Limestone, yellowish gray (5Y 8/1), biomicritic and micritic, some dolomite, some lime mud, rare phosphate granules, excellent porosity, excellent apparent permeability
755	758	Lime mud, white (N9), stiff, sticky
758	764	Marl, yellowish gray (5Y 8/1), micritic, some lime mud, minor dolomite, minor green sticky clay
764	768	Limestone, yellowish gray (5Y 8/1), biomicritic and biosparitic, abundant sparite, shell casts, good porosity, good apparent permeability
768	786	Limestone, yellowish gray (5Y 8/1), biomicritic and biosparitic, abundant sparite, some dolomite, minor lime mud, shell casts, good porosity, good apparent permeability
786	805	Marl, yellowish gray (5Y 8/1), biomicritic, some fine grained dolomite, some lime mud
805	843	Limestone, grayish yellow (5Y 8/4), biomicritic and calcarenitic, some lime mud, rare mold casts, sulfur smell, excellent intergranular porosity, excellent apparent permeability
843	854	Limestone, grayish yellow (5Y 8/4), biomicritic and calcarenitic, some lime mud, common shell
854	855	Marl, yellowish gray (5Y 8/1), biomicritic, abundant limestone fragments as above
855	858	Lime mud, very light gray (N8), soft, sticky, some limestone fragments as above, minor shell fragments
858	863	Limestone, yellowish gray (5Y 7/2), biomicritic, good to excellent porosity, good to excellent apparent permeability
863	866	Marl, yellowish gray (5Y 7/3), biomicritic, some lime mud
866	876	Limestone, yellowish gray (5Y 7/2), biomicritic, good porosity, good apparent permeability
876	878	Marl, yellowish gray (5Y 7/3), biomicritic, common lime mud
878	883	Lime mud, yellowish gray (5Y 7/2), soft, sticky
883	888	Marl, yellowish gray (5Y 7/3), biomicritic, common lime mud
888	893	Lime mud, very light gray (N8), soft, sticky, some limestone fragments as above, minor shell fragments
893	906	Marl, as 883' - 888'
906	912	Marl, medium light gray (N6), micritic, abundant limestone, some lime mud
912	916	Lime mud, yellowish gray (5Y 7/2), abundant shell fragments, abundant micritic limestone
916	918	Marl, as 906' - 912'
918	927	Lime mud, as 912' - 916'
927	930	Marl, as 906' - 912'
930	936	Lime mud, as 912' - 916'
936	942	Limestone, yellowish gray (5Y 7/2), biomicritic, good porosity, good apparent permeability
942	943	Clay, dark yellowish brown (10YR 4/2), minor shell fragments
943	948	Limestone, yellowish gray (5Y 7/2), biomicritic, good porosity, good apparent permeability