

SAMPLE LOG

CORBETT # 1 WELL
 approx. 2 miles s.e. of Kelly, BLADEN COUNTY, NORTH CAROLINA
 drilled Sept. 12-17, 1959; surface elev.=23ft.; depth= 765ft.

formation	from	to	mt'l.	description
Cretaceous	0	10	sand	tan; subangular to subrounded quartz grains; 2% glauconite; traces of pyrite; feldspar $\frac{1}{2}$, and magnetite; also pink to rose colored mineral; no mica or clay; no shell fragments or fossils
	10	20	sand	tan; same as 0-10
	20	30	sand	tan; same as 0-10, except slight decrease in glauconite; traces of hard red minl. (feldspar?); introduction of gray clay in lumps
Pee Dee	30	40	sand & clay	50% clay, 50% sand; increase in amount of coarseness of quartz grains up to $\frac{1}{2}$ " ; subangular to subrounded; glauconite 1-2%; traces of pyrite, magnetite, feldspar, and mafic ? minls.; micas and fossils still absent
	40	50	sandy clay	60% dark gray clay, 40% sand; lack of coarse grains of quartz; grains subangular to subrounded, constitute 95% of sand; traces of pyrite, feldspar, glauconite 2-4%, and mafic minls. (reaming cuttings); 75% shell fragments; remainder is sand with traces pyrite and 3% glauconite (reaming cuttings); same as 45-46 $\frac{1}{2}$
	45	46 $\frac{1}{2}$	marl	
	40	46	marl	
	50	65	NO SAMPLES	
	65	70	sandy clay	calcareous gray clay; fine sand of subangular grains; 5-7% glauconite; trace of shell fragments
	70	75	sandy clay	calcareous gray clay; very fine, subangular to subrounded qtz. grains; 1-2% glauconite; traces of shell frags.; few pieces of siltstone
	75	80	clay	calcareous, sandy, gray clay; sand is very fine subang. to subrounded; glauconite 2%; few pieces of siltstone and shell fragments
	80	85	marl	calcareous, slightly sandy, gray clay with shell frags., slightly glauconitic; $\frac{1}{2}$ " pieces of siltstone
	85	90	marl	slightly calcareous, arenaceous, dark green-gray clay with shell fragments; 5% glauconitic; with pieces of buff-gray colored siltstone
90	95	sandy clay	very slightly calcareous, sandy, dark green-gray clay with shell fragments; 40% sand, 60% clay, 10-15% glauconite	

CORBETT #1

formation	from	to	mt'l.	description
PeeDee	95	100	clay	calcareous, greenish-gray with 30% fine sand, subang. to subrounded grains; some mica; 10% glauconite; few shell fragments
	100	110	clay	calcareous, greenish-gray; same as 95-100, except decrease in glauconite to about 7%, and addition of lignitized wood particles
	110	120	marl	calcareous, arenaceous clay; increase in shell fragments; greenish-gray clay 40%; 45% fine sand; 15% shell frags., 10% glauconite in sand; traces of mica; trace of bluish-opalescent qtz. in rounded grains larger than qtz. grains in sand
	120	130	marl	calcareous, arenaceous, clayey; increasing shell fragments; 25% greenish-gray clay; 25% shell frags.; 50% fine sand, suba. to subr. with 7% glauconite
	130	140	sand (sample #1)	calcareous, argillaceous with 20% gray clay; decreasing shell frags. to 5%; 75% fine sand, subang. to subr. with 3% in glauconite; traces of bluish-opalescent quartz grains, rounded and approx. 10 times larger than qtz. grains in sand
	130	140	marl (sample # 2)	calcareous; 30% shell frags; 55% fine sand, subang. to subr.; 15% gray clay; same opalescent qtz. grains; 3-5% glauconite in sand
	140	150	sand	slightly calcareous; 85% fine sand with 3% glauconite; 10% gray clay; 5% shell frags.; trace of same opal. qtz. grains
	150	160	sand	slightly calcareous; same as 140-150'
	160	170	marl	calcareous; 25% shell frags.; 60% fine sand, suba. to subr. with 7% glauconite; gray clay 15%; same opal. qtz. present
	170	180	marl	calcareous; 25% shell frags.; 60% fine sand with 3% glauconite; 15% gray clay; no opal. qtz. noted
	180	190	marl	calcareous; 10% shell frags.; 75% fine sand, suba. to subr. with 15% glauconite; 15% gray clay; opalescent quartz absent
	190	200	argillaceous siltstone	slightly calcareous; with pieces of siltstone up to 1"; 75% very fine sand, suba. to subr.; 20% gray clay; 20% shell frags; glauconite 3%

CORBETT # 1

formation	from	to	mt'l.	description
PeeDee	200	210	siltstone	calcareous, argillaceous, with many pieces of siltstone; same as 190-200'
	210	220	siltstone	same as 190-200'; slight decrease in glauconite to 1%; noted 1 grain of opalescent qtz.
	220	230	siltstone	calcareous, argillaceous; 25% gray clay; 75% fine sand, suba. to subr., with 5% glauconite; no mica; few shells and one fossil spline noted
PeeDee ? Black Creek ? PeeDee	230	240	sandy clay	slightly calcareous; 60% dark green clay; 40% fine sand, suba. to subr. with traces of mica, 2% glauconite, plus some pieces of siltstone
	240	250	sandy clay	75% dark green clay; 25% sand; remainder same 230-240'
	250	260	clay	slightly calcareous, arenaceous clay; increase in shell frags. to 15%; fine sand 20%, suba. to subr. with traces of mica, and 3% glauconite; 65% dark green clay
	260	270	clay, sand	50% clay and sand; 50% wood fibres
Black Creek	270	280	clay	same as 250-260 except glauconite at 5%
	280	290	sandy clay	slightly calcareous, arenaceous; 25% fine sand, suba. to subr. grains, 75% dark green clay; plus 3/4" pieces of siltstone; glauconite @ 2%
	290	300	argill- aceous marl	calcareous, arenaceous; 70% dark gray clay; 20% fine sand, suba. to subr. grains, traces of mica and 2% glauconite
	300	310	marl	calcareous; 60% dark gray clay; 20% shell frags. 20% fine sand, suba. to subr.; traces of mica & glauconite, and wood fibres
	310	320	marl	arenaceous, and 50% vy. slightly calcareous dark gray clay; 30% fine sand; 20% shell frags.; traces of mica, glauconite; pieces of siltstone; with less wood fibres than in 300-310'
	320	330	marl	same as 310-320'
	330	340	clay	very slightly calcareous; 85% dark gray clay; 15% vy. fine sand with traces of mica, glauconite few shell frags, and pieces of siltstone
	340	350	clay	vy. slightly calcareous; 70% dark gray clay; 30% very fine sand, suba. to subr. with traces of mica and glauconite; wood fibres present; 1/16" pieces of soft green clay mnl. present
	350	360	clay	same as 340-350', except no wood fibres present

CORBETT # 1

formation	from	to	mt'l.	description
Black Creek	360	370	clay	slightly calcareous; 60% dark gray clay; 40% vy. fine sand, suba. to subr., with traces of mica and glauconite, and small shell frags.
	370	380	clay	not calcareous; 85% dark gray clay; 15% vy. fine sand; trace of glauconite & mica; no fossils
	380	390	clay	vy. sli. calcareous; 85% dark gray clay; remainder same as 370-380
	390	400	clay	trace of calcareous; same as 380-390', plus woody fibre content
	400	410	clay	not calcareous; 75% dark gray clay; 25% vy. fine sand with suba. to subr. grains, 2% mica
	410	420	clay	same as 400-410'
	420	430	clay	traces of glauconite and green ferrous oxide? same as 410-420; plus wood fibres and carbonaceous matter; traces of vy. fine pyrite
	430	440	clay	not calcareous; vy. dark gray clay; 65% clay; 35% vy. fine sand, suba. to subr., with 5% mica; traces of glauconite, green ferrous oxide, vy. fine pyrite, also small pieces of claystone
	440	450	clay	not calcareous; 75% vy. dark gray clay; 25% vy. fine sand, etc., with 2% mica and traces of pyritized carbonaceous matter
	450	460	clay	not calcareous; 75% vy. dark gray clay; 20% vy. fine sand, etc., with 2% mica and 5% wood fibres, and carbonaceous matter; also chips of mudstone, dark gray to brown
	460	470	clay	same as 450-460'
	470	480	clay	same as 450-460'
	480	490	clay	same as 450-460'
	490	500	clay	not calcareous; same as 450-460', but 80% dark greenish gray clay; 20% sand and decrease in wood fibres
500	510	clay	sli. calcareous; 90% dark gray clay with chips of mudstone (gray); 25% vy. fine sand, suba. to subr.; 5% fibrous mtl; trace of grn. ferrous oxide; 2% mica; noticeable change to chips from mud	
510	520	clay	vy. sli. calcareous; 65% greenish gray clay; 30% vy. fine sand, etc.; 5% fibres & carbonaceous mtl.; traces of green ferrous oxide, calcareous matter and mica	
520	530	silt-stone	calcareous; 80% vy. fine sand with chips of siltstone up to 1 1/2"; 15% shell frags.; 5% fibrous & carbonaceous mtl.; 7% glauconite in siltstone; traces of pyrite	

CORBETT # 1

formation	from	to	mt'l.	description
Black Creek	530	540	silt-stone	calcareous; 60% vy. fine sand, etc., with 5-7% glauconite and chips of siltstone; 40% greenish gray clay
	540	550	silty clay	sli. calcareous; greenish gray clay 50%; 50% vy. fine silt, etc., with 5% glauconite and green ferrous oxide; chips of siltstone
	550	560	silty clay	calcareous; same as 540-550, except increase in glauconite to 10%
	560	570	silty clay	same as 540-550
	570	580	clay	sli. calcareous; greenish gray clay 70%; 30% vy. fine silt, suba. to subr. grains, with 3% glauconite, and few shell frags.
	580	590	silt sand &	sli. calcareous; 60% vy. fine sand, etc.; 40% greenish gray clay; glauconite 2%; shell frags 2%
	590	600	silt	sli. calcareous; 30% gray clay; 60% fine sand, etc., with chips of siltstone
	600	610	silt	calcareous, argillaceous; 70% vy. fine sand, etc. with 5% glauconite, few shell frags., chips of siltstone; no mica; 30% dark gray clay
	610	620	silt	same as 600-610'
Tuscaloosa	620	630	sandy gravel	sli. calcareous; varicolored, coarse sand (1/16") predominantly white, pink, red, and yellow; sli. glauconitic; 50% medium sand to 50% fine gravel, subrounded to subangular in gravel; trace of magnetite; few frags. of siltstone
(Eutaw?)	630	640	sandy gravel	same as 620-630'
	640	650	sandy gravel	same as 620-630'; sizes up to 1/8"
	650	660	gravelly sand	75% medium sand; vy. sli. calcareous, and glauconitic 5%; varicolored fine gravel 25%; introduction of green colors into gravel
	660	670	gravelly sand	angular to subrounded coarse sand to fine gravel; varicolored gravel now includes green rock; 5% glauconite in sand
Tuscaloosa ??	670	680	argillaceous sand	70% coarse, varicolored sand; 30% gray clay; with weed fibres and yellow stain in clay
Carolina slate ??				

formation	from	to	mt'l.	description
Tuscaloosa ??	680	690	gravelly sand	slightly calcareous; 75% coarse sand, subang. to subrounded; 25% fine, varicolored gravel, subrounded to rounded; colors from yellows to reds, and greens; traces of pyrite
Carolina slate ??	690	700	clay (mud)	yellow-red to tan mud (clay); vy. sli. calcareous; contains vy. fine sand
	700	710	clay	same as 690-700'
meta- volcanics	710	720	clay	same as 690-700'
	720	730	volcanic tuff	65% andesitic tuff with epidote, calcite; 35% varicolored gravel and sand
	730	740	volcanic tuff	same as 720-730', but also chips of gray siltstone
	740	750	volcanic tuff	75% andesitic tuff with epidote and calcite; 25% gravel and sand; no chips of siltstone
	750	760	volcanic tuff	same as 740-750', but 85% tuff, and 15% gravel
	760	765	volcanic tuff	same as 750-760'

Cuttings logged at drill site with 10x hand lens

by R. Lee-Aston

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BL-OT-1-59

Mr. Fred W. Kessler, Manager
Page - 3
December 11, 1959

ted in order to determine the feasibility of deeper drilling. ~~the~~

The following wells were drilled by Bryant P. Seay of Houston, Texas, as follows: *in the Spring of 1959*

Well No. 1 - Hoffman Forest - owner - located as follows:-

Approximately 9½ miles northeast of Jacksonville, Onslow County in Hoffman Forest. Completed 5/4/59. Bottomed in crystalline rock at a depth of 1430 feet. Dry and abandoned.

Well No. 2 - Hoffman Forest - owner - located as follows:-

Approximately 7½ miles due north of Jacksonville, Onslow County in Hoffman Forest. Completed 6/5/59. Bottomed in crystalline rock at a depth of 1335 feet. Dry and abandoned.

In September 1959, American Mining and Development Company of New York City drilled the following two wells in North Carolina:

BL-OT-1-59

Corbett No. 1 Well - located approximately 4 miles south-east of Kelly, Bladen County, North Carolina. Depth 765 feet. Bottomed in basement at 695 feet. Dry and abandoned September 17, 1959.

PE-OT-1-59

Keith No. 1 Well - located approximately 7 miles north of Acme in Pender County, North Carolina. Depth 730 feet. Bottomed in basement at 690 feet. Dry and abandoned September 27, 1959.

Section 113-378 of the General Statutes of North Carolina requires that before any person, firm or corporation begins drilling for oil and gas in North Carolina that it registers with the Department of Conservation and Development, giving the exact location of the site or sites to be drilled and furnish bond in the amount of \$2,500.00 running to the State of North Carolina to guarantee the proper plugging or any wells that may be drilled and abandoned in the state.

Section 113-379 of the General Statutes of North Carolina requires that upon completion a log of each well shall be deposited with the Department of Conservation and Development. Attached are two copies of the "Regulations Governing the Plugging and Capping of Abandoned Oil Wells", which was adopted on October 8, 1946. These regulations were adopted under authority granted the Board of Conservation and Development by the 1945 Session of the General Assembly of North Carolina.

(continued)

BL-0T-1-59

Well Data

BEAUFORT COUNTY

API NO.: 32-013-1 WELL NAME: Rodman #2 COMPANY: Coastal Plains Oil
CHRON NO.: 39 COMPLETION DATE: 8-17-63 LOCATION: 35° 33' 58"N 1.1 mi. south of 35° 35' N
TOTAL DEPTH: 2120' BASEMENT DEPTH: 2009' 76° 45' 46"W 0.7 mi. west of 76° 45' W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-2 WELL NAME: Rodman #1 COMPANY: Coastal Plains Oil
CHRON NO.: 40 COMPLETION DATE: 8-22-63 LOCATION: 35° 32' 45"N 2.57 mi. south of 35° 35' N
TOTAL DEPTH: 2032' BASEMENT DEPTH: 1964' 76° 46' 45"W 1.65 mi. west of 76° 49' W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-3 WELL NAME: Z. Ratcliff #1 COMPANY: Coastal Plains Oil
CHRON NO.: 41 COMPLETION DATE: 8-25-63 LOCATION: 35° 35' 45"N 0.86 mi. north of 35° 35' N
TOTAL DEPTH: 1966' BASEMENT DEPTH: 1945' 76° 46' 13"W 1.72 mi. east of 76° 50' W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-4 WELL NAME: West Dismal #1 COMPANY: Coastal Plains Oil
CHRON NO.: 42 COMPLETION DATE: 8-30-63 LOCATION: 35° 39' 07"N 1.0 mi. south of 35° 40' N
TOTAL DEPTH: 1939' BASEMENT DEPTH: 1896' 76° 47' 21"W 1.9 mi. east of 76° 50' W
DRILLER'S CUTTINGS/LOG: Yes/No GEOPHYSICAL LOGS: I-ES

API NO.: 32-013-5 WELL NAME: H. M. Jackson #1 COMPANY: Coastal Plains Oil
CHRON NO.: 43 COMPLETION DATE: 9-2-63 LOCATION: 35° 38' 15"N 1.09 mi. south of 35° 40' N
TOTAL DEPTH: 1526' BASEMENT DEPTH: NP 76° 51' 15"W 1.18 mi. west of 76° 50' W
DRILLER'S CUTTINGS/LOG: No/No GEOPHYSICAL LOGS: I-ES

BERTIE COUNTY

API NO.: 32-015-1 WELL NAME: Coward #1 COMPANY: Coastal States Oil
CHRON NO.: 76 COMPLETION DATE: 10-16-69 LOCATION: 36° 00' 53"N 1.8 mi. north of 36° 00' N
TOTAL DEPTH: 1570' BASEMENT DEPTH: NP 76° 46' 15"W 1.18 mi. west of 76° 45' W
DRILLER'S CUTTINGS/LOG: No/Yes GEOPHYSICAL LOGS: None

BLADEN COUNTY

* API NO.: 32-017-1 WELL NAME: Corbett #1 COMPANY: American Mining & Development
CHRON NO.: 31 COMPLETION DATE: 9-17-59 LOCATION: 34° 26' 05"N 1.24 mi. north of 34° 25' N
TOTAL DEPTH: 765' BASEMENT DEPTH: -650' 78° 16' 30"W 1.41 mi. west of 78° 15' W
DRILLER'S CUTTINGS/LOG: Yes/Yes GEOPHYSICAL LOGS: GR-N

THIS LOG
NOT TO BE
COPIED

Corbett #1

(Bladen Co)

1320 ft. S. of White Oak Canal + ~5280 ft. W.

Natunore Dam, off hwy 53 on the Salt Marsh Rd, SE of Kelly.

pen file - wh?

- 0-30 sd
- 30-40 shly clay
- 40-50 - sd
- 40-46 fine gravel + shly fg
- 45-46 " " "
- 65-70 fine sd + shly fg
- 70-120 shly clay
- 120-140 sd + shly fg
- 130-140 - shly fg + f. sd
- 140-150 - f. sd - fine shly fg
- 150 - f. sd
- 320-370 - shly cl w/ shly shly fg
- 370-450 - cl w/ shly fg
- 450-460 cl w/ wood fibers, mss
- 460-500 cl, mss
- 500-510 - cl w/ wood fibers
- 510-520 - cl w/ fragmented wood, sd/mss
- 520-530 - f. m gravel, shly fg.
- 530-540 granular clay, sd/mss
- 540-550 shly cl, sd/mss
- 550-560 - v. fm. clay, sd/mss
- 560-570 shly gy to blk clay
- 580-590 - " " " w/ faint odor of oil.
fls. gls to pale green color.
- 590-620 - shly fg - blk shly clay
- 620-650 - f. m, var. colored gravel
- 650-670 - m. sd - f. p.
- 670-680 - shly gy to blk sandy cl
- 680-690 - f. m sd
- 690 - basement, epoxide present throughout



CORRETT II 1 (Block 6)

1111

- 0-10 white sd, vf - m - v.s.p.b
- 10-20 white sd, vf m 1.5.p.b
- 20-30 " " // +s.p.b, // + ^{clean} _{si} f 5.p.b.
- 30-40 m. gy clumps, cl-si - f - 5.p.b.
- 40-50 2nd but m br. cy clumps cl-si vf - m // white at sd // vf am v.s.p.b // for shell frag - not hatched
- 40-46 (recons) ks fragments / gy, of dense / a / ady; of shell frag - poorly preserved
- 45-46 1/2 " of / of gray porous
- 50-65 ?
- 65-70 m. gy cl-si - vf - f, calc, for poorly preserved shell frag - not hatched
- 70-75 "
- 75-80 ~ " 2nd 4/ no shell // a/m at 25%
- 80-85 ~ " " - a little more calcareous
- 85-90 ~ " " x light sandier, more white
- 90-95 ~ " " "
- 95-100 " "

220-230	Delta	lt gy	si- <u>vt</u> -f-m	calc, glauc, coll fr	// a few detrital clay-in
230-240	Δm ⁺ gray	clay-in- <u>vt</u> -f	calc		// a few white, dense cherty ls
240-250	"	"	"		// "
250-260	"	"	"	a/dt frag	
260-270	~ "			(poor sample) + fibrous - wooden plug grounds	
(260-263 - core)	marked zone				
270-280	"			a/dt frag	
280-290	"				
290-300	"			calc, a/dt frag	
300-310	~ "			" "	// ^{pk} wood frag?
310-320	~ "			" "	// ^{pk} be gum wood? 2 in long
320-330	~ "			" "	
330-340	~ "			" "	// a few white, dense, cherty ls w/ red quartz
340-350	~ "			" "	, rice
350-360	~ "			" "	// a few fibrous blk lignite
360-370	~ "			" "	

370-380	~11				, nm-cdc, mica, ^{blc} / ^{legit} >
380-390	"	"	"	"	
390-400	"	"	"	"	, legit >
400-410	"	"	"	"	
410-420	"	"	"	"	
420-430	~11				11 legit +
430-440	~11	nm-cdc	"	"	
440-450	"	"	"	"	" -
450-460	"	"	"	"	" ^{all} / ^{frag} "
460-470	"	"	"	"	"
470-480	"	"	"	"	"
480-490	"	"	"	"	"
490-500	"	"	"	"	"
500-510	"	<u>CAC</u>	"	"	" ^{all} / ^{frag} "
510-520	"	"	"	"	" "

520-530	~1/4 gyps, ^{limite} // Calc ss (si- <u>vt</u> -f) ^{or next} lim clay
530-540	~lt* gy calc ss (si- <u>vt</u> -f) all gy, (trans. det. 2 types in 520-530)
540-550	~" " mlt gy cl si- <u>vt</u> -f, calc, glau
550-560	~" " next mag ss looks i.e. 530-540, limite
560-570	mag cl-si- <u>vt</u> -f, calc, lim // k.g. white calc. ss
570-580	" " " " " " // " " "
580-590	" " " " " " // " " "
590-600	" " " " " " // 2/3 mag white lim ss w/ red
600-610	" " " " " " // 2/3 mag white lim ss
610-620	" " " " " " // 2/3 m-c-vc and glau
620-630	[middle gy clay] - clayey with vt-f in B.C. looking " " " " " " // small gravel +vc-c-m ss
630-640	" " " " " " // m-c-vc-ss + vt-f 2907
640-650	? " " " " " " // f-m-c-vc- <u>vspt</u> -spt 2907
650-660	vt-f-m-c-vc- <u>vspt</u> -spt, glau*
660-670	" " " " " " // 1/3 calc wh. ss // glau mag h part 3 from gy. form

Core
Depth not ~~all~~
zoned,
labeled -
basal

greenish, dense, argillite - white (no foliation)
argillite veins, argillite veins

Core
260-263
4 bags

- 1) white, ^{india} Calc. f. ss w/ thin min LS glauconite - stem, w/ coated at 2nd order
 - 2) " " "
 - 3) " "
 - 4) " "
- but 2) 1/4" clay shell from clay 1 bag

Core
2 bags ~~labeled~~
sh. brick

} similar to one labeled 620 JT