



# McCallum Inspection Company

1808 HAYWARD AVENUE  
P. O. BOX 13266  
NORFOLK, VIRGINIA 23519



SURF. ELEV. - 4.00

Qc13-6  
LAB. NO.  
SHEET No. 1

## LOG OF BORINGS

PROJECT: BETHEL DR. C66-02-001

LOCATION: BETHEL, DEL.  
STA. 7490 20' L &

DRILLING NO: 3<sup>#</sup>

DATE STARTED: 5-18-66

DATE COMPLETED:

OPERATOR: SS

DIMENSIONS: 2 1/2

CASING DIAMETER: 2 1/2

OPERATOR: MATTHEWS

HELPER(S): QUIGLEY

WATER ELEV: IMMEDIATE WATER HOLE AFTER NO READING HRS.

LEV.	CASING BLOWS	#	DEPTH	STD. PEN. BLOWS/6"	MATL. & COLOR CHANGE	DESCRIPTION
1	W.H.	1	1'-2 1/2"	W.H. W.H.		SAT. CLAY SOFT ORGANIC w/T F. SAND
2	W.H.			W.H.		18" S 18" REC
3	W.H.					USED PLASTIC BAG
4	W.H.					
5	W.H.					
6	W.H.	2	5'-6 1/2"	W.H. W.H.		SAT. CLAY SOFT ORGANIC w/SOME F. SAND
7	2			W.H.		12" S 12" REC.
8	4					
9	4					
10	4					
11	1	3	10'-11 1/2"	W.H. W.H.		2 <sup>nd</sup> ATT. WET GRAY SOFT SILTY CLAY w/LENS OF F. SAND
12	2			W.H.		6" S 6" REC.
13	3					
14	5					
15	6					
16	12	4	15'-16 1/2"	3 3		MOIST GRAY FIRM SILTY CLAY w/LENS OF F SAND
17	10			4		18" S 18" REC.
18	10					
19	14					
20	16					
21	19	5	20'-21 1/2"	4 5		MOIST GRAY STIFF SILTY CLAY w/LENS OF F SAND
22	14			6		18" S 18" REC.
23	19					
24	20					
25	20					
26	19	6	25'-26 1/2"	5 8		MOIST GRAY STIFF SILTY CLAY w/LENS OF F. SAND
27	15			10		18" S 18" REC.
28	17					
29	19					
30	26					
31	25	7	30'-31 1/2"	6 7		MOIST GRAY VERY STIFF SILTY CLAY w/LENS OF F. SAND
32	15			13		18" S 18" REC.
33	19					
34	19					
35	16					
36	20	8	35'-36 1/2"	3 6		WET YELLOWISH BR. MED. DENSITY F. TO MED SAND w/T SILT
37	21			11		18" S 18" REC.
38	20					
39	19					
40	13					

25'

# McCallum Inspection Company

1808 HAYWARD AVENUE

P. O. BOX 13266

NORFOLK, VIRGINIA 23519

LOG OF BORINGS

Qc13-6

LAB. NO.

SHEET NO. 2

SURFACE ELEV. 4.00



PROJECT: BETHEL, BR. C66-02-001

LOCATION: BETHEL, DEL.

BORING NO: 3 #

DATE STARTED: 5-18-66

STA. 7+90-20' L4

AMPLER: SS

DIMENSIONS: 2 1/2

DATE COMPLETED:

RILLER: MATTHEWS

HELPER(S): QUIGLEY

CASING DIAMETER: 2 1/2

WATER ELEV: IMMEDIATE WATER HOLE NO READING AFTER HRS.

ELEV.	CASING BLOWS	#	DEPTH	STD. PEN. BLOWS/6"	MATL. & COLOR CHANGE	DESCRIPTION
41	26	9	40'-41 1/2'	5 4	40'	MOIST GRAY STIFF SILTY CLAY w/ LENS OF F. SAND
42	22			6		18" S. 18" REC.
43	16					
44	18					
45	20					
46	17	10	44'-44 1/2'	7 6		WET GRAY MED. DENSITY F. TO MED. SAND w/ SILT.
47	15			8		6" S
48	39					
49	39					
50	48					
51	59	11	44 1/2'-45'	7 6		MOIST GRAY STIFF SILTY CLAY
52	58			8		6" S 12" REC.
53	40					
54	30					
55	29					
56	40	12	50'-51 1/2'	7 11		WET GRAY MED. DENSITY CLAYEY F. SAND
57	55			20		18" S 18" REC.
58	54					
59	60					
60	58					
61	41	13	53'-56 1/2'	10 10		MOIST GRAY VERY STIFF SILTY CLAY
62	42			12		18" S. 18" REC.
63	39					
64	48					
			14 59'-59 1/2'	7 4		MOIST GRAY FIRM SILTY CLAY
				5		8" S.
			15 59 1/2'-59 1/2'	7 4		MOIST GRAY MED. DENSITY CLAYEY F. SAND.
				5		2" S
			16 59 1/2'-60 1/2'	7 4		MOIST GRAY FIRM SILTY CLAY
				5		8" S 18" REC.

60 1/2 64

# McCallum Inspection Company

1808 HAYWARD AVENUE  
P. O. BOX 13266  
NORFOLK, VIRGINIA 23519

QC13-6  
LAB. NO.  
SHEET No. 3\*



SURFACE ELEV. - 4.00

## LOG OF BORINGS

59

PROJECT: BETHEL OR. C66-02-001

LOCATION: BETHEL, DEL.  
STA. # 7490-20' L4

BORING NO: 3\*

DATE STARTED: 5-18-66

DATE COMPLETED:

SAMPLER: S.S.

DIMENSIONS: 2 1/2

CASING DIAMETER: 2 1/2  
WATER HOLE

DRILLER: MATTHEWS

HELPER(S): QUIGLEY

WATER ELEV: IMMEDIATE NO READING AFTER HRS.

ELEV.	CASING BLOWS	#	DEPTH	STD. PEN. BLOWS/6"	MATERIAL & COLOR CHANGE	DESCRIPTION
65	41	17	59'-64'	W A	63'	SAND FILLED IN CASING FROM 64' TO 59'
66	35		60 1/2	S H		AFTER STANDING 10 MIN.
67	32		69			RUNNING SAND
68	32		63			
69	23					
70	48	18	64'-69'	W A		SAND FILLED IN CASING FROM 69' TO 64'
71	85			S H		AFTER STANDING 10 MIN.
72	126					RUNNING SAND
73	193					
74	207					
75	256	19	75'-76'	47 30		1. ATTEMP MADE. NO RECOVERY. PUT ROD BACK IN HOLE AND SAND FILLED CASING 15', FROM 75' TO 60'
76	38			20		RUNNING SAND.
77	42					
78	87					GOT WASH SAMPLE FROM 70' TO 75'
79	181					PLASTIC BAG USED
80	127	20	80'-85'	W A		SAND FILLED IN CASING 3' FROM 80' TO 77'
81	35			S H		AFTER STANDING 10 MIN.
82	77					RUNNING SAND
83	98					
84	108					
85	46	22	85'-86'	68 27		1. ATTEMP MADE. NO RECOVERY. GOT WASH SAMPLE FROM 85' TO 89'
86	47			30		
87	51	21	86'-89'	W A		RUNNING SAND
88	64			S H		PLASTIC BAG USED
89	72					
90	64	22	90'-94'	W A		SAND FILLED IN CASING 8', FROM 89' TO 81'
91	42			S H		AFTER STANDING 10 MIN.
92	35					RUNNING SAND
93	25					
94	45					
95	99	23	94'-95'	58 41		WET YELLOWISH BR. VERY DENSE F. TO MED. SAND W/ CLAY & T. OF SILT 6" S
96	57			23		
97	61					
98	168					
99	139					
		24	95'-96'	58 41		WET YELLOWISH BR. VERY DENSE F. TO MED SAND W/ SILT. 6" S 12" REC. PLASTIC BAG USED
				23		

# McCallum Inspection Company

1808 HAYWARD AVENUE  
P. O. BOX 13266  
NORFOLK, VIRGINIA 23519

## LOG OF BORINGS

QC 13-6  
LAB. NO.

SHEET NO. 4 #

SURFACE ELEV. 4.00



PROJECT: BETHEL, BR. C66-02-001

LOCATION: BETHEL, DEL. STA# 7+90 20'±

BORING NO: 3 #

DATE STARTED: 5-18-66

DATE COMPLETED: 5-24-66

SAMPLER: SS

DIMENSIONS: 2 1/2

CASING DIAMETER: 2 1/2

DRILLER: MATTHEWS

HELPER(S): QUIGLEY

WATER ELEV: IMMEDIATE WATER HOLE AFTER HRS. NO READING

ELEV.	CASING BLOWS	#	DEPTH	STD. PEN. BLOWS/6"	MATL. & COLOR CHANGE	DESCRIPTION
100	58	25	19'-106"	5 4		WET GRAY LOOSE FTOC SAND W/T SILT
101	55			2		6" S
102	53					
103	75					
104	87					
105	78	26	106'-70"	5 4		WET GRAY LOOSE FTOC SAND W/T SOME SILT.
106	97			2		6" S 12" REC.
107	126					PLASTIC BAG USED
108	140					
109	136					
110	150	27	105'-106"	5 7		WET GRAY LOOSE CLAYEY F TO MED. SAND
111	126			9		18" S 18" REC
112	127					
113	130					USED PLASTIC BAG
114	285					
115	586	28	111'-112'	11 38		WET GRAY DENSE FTOC SAND W/T SILT.
116	161					6" S.
117	120					
118	121					
119	151					
120	224	29	111'-112'	11 38		WET GRAY DENSE F. SAND W/SOME SILT 6" S
121	139					12" REC.
122	101					
123	123					
124	148					
		30	115'-116"	22 15		WET GRAY DENSE SILTY F. SAND W/T OF F. GRAVEL
				36		18" S 18" REC.
						USED PLASTIC BAG
		31	120'-121"	7 6		WET GRAY MED. DENSITY SILTY F. SAND
				8		16" S 10" REC USED PLASTIC BAG
						CASING STOOD IN HOLE FROM 5:30 <sup>PM</sup> 5-20-66 TO 8:00 <sup>AM</sup> 5-23-66 @ 120'
						1 ATT. MADE NO REC.
						USED PLASTIC BAG

# McCallum Inspection Company

1808 HAYWARD AVENUE

P. O. BOX 13266

NORFOLK, VIRGINIA 23519



**LOG OF BORINGS**

QC 13-6

LAB. NO.

SHEET 5#

SURF. ELEV. - 4:00

PROJECT: BETHEL, BR. C66-02-001

BORING NO: 3#

SAMPLER: SS

DRILLER: MATTHEWS

DATE STARTED: 5-18-66

DIMENSIONS: 2 1/2

HELPERS: QUIGLEY

LOCATION: BETHEL, DEL.

STA. # 7790 20' L.L.

DATE COMPLETED: 5-24-66

CASING DIAMETER: 2 1/2

WATER ELEV: IMMEDIATE AFTER HRS. WATER HOLE NO READING

ELEV.	CASING BLOWS	#	DEPTH	STD. PEN. BLOWS/6"		MATERIAL & COLOR CHANGE	DESCRIPTION
				W	A		
125	283	32	124-130	W	A		WASH SAMPLE
126	266			5	H		
127	242						
128	215						
129	213						
130	233	33	130-146	23	47		MOIST GRAY VERY DENSE SILTY F. SAND
131	206			72			18" S 18" REC.
132	115						
133	98						USED PLASTIC BAG
134	195						
135	210						SAND RAISED UP IN CASING 8' FROM 135' TO
136	137						127' WHEN PULLING WASH ROD OUT OF
137	113						CASING & PUTTING SPOON BACK IN. NO SAMPLE
138	105						
	107						
		34	137-146	9	14		WET GRAY MED. DENSITY SILTY F. SAND
				16			18" S 18" REC.
							END OF HOLE 140' 6"