



BECHTEL PROJECT NO.: 25161		MACTEC PROJECT NO.: 6468-09-2473		COUNTY: Louisa, VA		GEOLOGIST: A. Mwembeshi				
SITE DESCRIPTION: North Anna 3 Project Supplement 2				DRILLER: R. Landeros/D. Reneau		FLUID LEVEL (ft)				
BORING NO.: M-4		DRILL METHOD: Mud Rotary/Rock Core		DRILL MACHINE: CME-550X (ATL)		0 HR. NA				
GROUND ELEV.: 321.8 ft (NAVD88)		NORTHING: 3,909,456 US ft (NAD83)		EASTING: 11,685,695 US ft (NAD83)		24 HR. 25.0				
TOTAL DEPTH: 154.0 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08		ROD TYPE: AWJ		HAMMER (ID): 140-lb. Auto (MEC-05)				
DATE STARTED: 9/11/09		COMPLETED: 9/15/09		HOLE DIA.: 3"		CASING DEPTH: 44.0 ft				
CORE SIZE: NQ3		BITS USED: 2-7/8" Tri-Cone								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft 0.5ft 0.5ft			BLOWS PER FOOT 0 20 40 60 80 100			SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
321.8					Ground Surface					321.8 0.0
										No sampling from 0.0 to 9.3 feet due to soft dig utility clearance by Dominion Personnel.
312.5	9.3	6	6	6				SS-1		312.5 9.3
310.1	11.7	5	4	6				SS-2		RESIDUAL SOIL: Silty SAND (SM), yellowish brown (7.5YR 4/6) and light brownish gray (10YR 6/2), medium dense, moist, fine grained sand, trace mica, relict rock fabric 11.7 ft: Loose, fine to medium grained sand, little mica 13.9 ft: Brown (7.5YR 5/4), fine grained sand, some mica
307.9	13.9	5	5	5				SS-3		
302.9	18.9	5	4	5				SS-4		
297.9	23.9	6	7	10				SS-5		23.9 ft: Greenish gray (10Y 6/1), medium dense, fine to medium grained sand
292.9	28.9	44	50/0.4					SS-6		293.8 28.0
287.9	33.9	50/0.4						SS-7		WEATHERED ROCK: Severely weathered BIOTITE QUARTZ GNEISS (Sampled as Silty SAND (SM), very pale brown (10YR 7/3), very dense, moist, fine to coarse grained sand, few mica, some rock fragments)
282.9	38.9	50/0.2						SS-8		
277.9	43.9	50/0.2						SS-9		
272.8	49.0	50/0.0						SS-10		
267.8	54.0	50/0.0						SS-11		267.8 54.0
										WEATHERED ROCK and HARD ROCK: Gray brown, severely to moderately severely weathered, very close to close fracturing, medium hard, BIOTITE QUARTZ GNEISS (Poor Recovery)
										252.8 69.0
										HARD ROCK: Gray brown, moderately severely weathered, very close to close fracturing, medium hard, BIOTITE QUARTZ GNEISS

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09



SHEET 2 OF 3

BECHTEL PROJECT NO.: 25161			MACTEC PROJECT NO.: 6468-09-2473			COUNTY: Louisa, VA			GEOLOGIST: A. Mwembeshi				
SITE DESCRIPTION: North Anna 3 Project Supplement 2						DRILLER: R. Landeros/D. Reneau			FLUID LEVEL (ft)				
BORING NO.: M-4			DRILL METHOD: Mud Rotary/Rock Core			DRILL MACHINE: CME-550X (ATL)			0 HR. NA				
GROUND ELEV.: 321.8 ft (NAVD88)			NORTHING: 3,909,456 US ft (NAD83)			EASTING: 11,685,695 US ft (NAD83)			24 HR. 25.0				
TOTAL DEPTH: 154.0 ft			SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08						ROD TYPE: AWJ		HAMMER (ID):140-lb. Auto (MEC-05)		
DATE STARTED: 9/11/09			COMPLETED: 9/15/09		HOLE DIA.: 3"		CASING DEPTH: 44.0 ft		CORE SIZE: NQ3		BITS USED: 2-7/8" Tri-Cone		
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
247.0					Continued from previous page								
													HARD ROCK: Gray brown, moderately severely weathered, very close to close fracturing, medium hard, BIOTITE QUARTZ GNEISS (<i>continued</i>)
													237.8 84.0
													WEATHERED ROCK: Gray to dark gray, severely weathered, very close fracturing, soft, BIOTITE QUARTZ GNEISS (Poor Recovery)
													232.8 89.0
													HARD ROCK: Light to dark gray, moderately to very slightly weathered, very close to wide fracturing, medium hard to hard, BIOTITE GNEISS

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25161			MACTEC PROJECT NO.: 6468-09-2473			COUNTY: Louisa, VA		GEOLOGIST: A. Mwembeshi		
SITE DESCRIPTION: North Anna 3 Project Supplement 2						DRILLER: R. Landeros/D. Reneau			FLUID LEVEL (ft) 0 HR. NA 24 HR. 25.0	
BORING NO.: M-4			DRILL METHOD: Mud Rotary/Rock Core			DRILL MACHINE: CME-550X (ATL)				
GROUND ELEV.: 321.8 ft		(NAVD88)	NORTHING: 3,909,456		US ft (NAD83)	EASTING: 11,685,695		US ft (NAD83)		
TOTAL DEPTH: 154.0 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08						HAMMER (ID): 140-lb. Auto (MEC-05)		
DATE STARTED: 9/11/09		COMPLETED: 9/15/09		CASING DEPTH: 44.0 ft		CORE BARREL TYPE: Wireline NQ3 Triple Tube, series 6 bit				

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %		
										Begin Coring @ 44.1 ft
277.7	44.1	4.9	1:59 1:25 1:55 2:11	(0.0) 0%	(0.0) 0%	RUN 1	(0.0) 0%	(0.0) 0%		WEATHERED ROCK: Severely weathered BIOTITE QUARTZ GNEISS (Sampled as Silty SAND (SM), very pale brown (10YR 7/3), very dense, moist, fine to coarse grained sand, few mica, some rock fragments) (continued) (No Recovery)
272.8	49.0	5.0	1:41/0.9 N=50/0.0 1:45 1:18 0:57 1:05 2:00	(0.0) 0%	(0.0) 0%	RUN 2				(No Recovery)
267.8	54.0	5.0	N=50/0.0 2:45 2:00 2:03 1:29 1:58	(0.9) 18%	(0.5) 10%	RUN 3	(2.4) 16%	(1.0) 7%	267.8	WEATHERED ROCK and HARD ROCK: Gray brown, severely to moderately severely weathered, very close to close fracturing, medium hard, BIOTITE QUARTZ GNEISS (Poor Recovery) (2 joints at 45°, open)
262.8	59.0	5.0	0:50 1:02 1:03 1:54 1:08	(1.1) 22%	(0.5) 10%	RUN 4				(2 joints at 45°, open)
257.8	64.0	5.0	0:49 1:25 0:36 0:54 0:47	(0.4) 8%	(0.0) 0%	RUN 5				
252.8	69.0	5.0	0:51 0:59 0:39 0:40 0:52	(3.5) 70%	(2.6) 52%	RUN 6	(11.5) 77%	(10.0) 67%	252.8	HARD ROCK: Gray brown, moderately severely weathered, very close to close fracturing, medium hard, BIOTITE QUARTZ GNEISS (2 joints at 45°, open)
247.8	74.0	5.0	1:34 0:45 1:34 1:38 1:09	(3.5) 70%	(3.4) 68%	RUN 7				(3 joints at 45°, open; 1 joint at 75°, open)
242.8	79.0	5.0	0:30 0:58 0:51 0:50 0:54	(4.5) 90%	(4.0) 80%	RUN 8				(3 joints at 45°, open)
237.8	84.0	5.0	0:30 1:02 1:10 0:58 1:19	(1.0) 20%	(0.0) 0%	RUN 9	(1.0) 20%	(0.0) 0%	237.8	WEATHERED ROCK: Gray to dark gray, severely weathered, very close fracturing, soft, BIOTITE QUARTZ GNEISS (Poor Recovery)
232.8	89.0	5.0	1:48 2:57 2:27 1:13 1:32	(4.9) 98%	(4.6) 92%	RUN 10	(58.6) 90%	(48.0) 74%	232.8	HARD ROCK: Light to dark gray, moderately to very slightly weathered, very close to wide fracturing, medium hard to hard, BIOTITE GNEISS (6 joints at 30°, open with trace clay and epidote)
227.8	94.0	5.0	1:31 1:35 1:34 2:03 1:34	(4.5) 90%	(2.7) 54%	RUN 11				(4 joints at 30°, open with trace orange staining and epidote)
222.8	99.0	5.0	1:13 1:32 1:19 1:56 2:18	(2.1) 42%	(1.0) 20%	RUN 12				(0.4 ft thick quartz + feldspar vein)
217.8	104.0	5.0	1:46 1:44 1:47 1:57 1:56	(4.6) 92%	(4.3) 86%	RUN 13				(3 joints at 45°, open with orange staining)
212.8	109.0	5.0	1:25 1:31 1:04 1:43 2:10	(4.2) 84%	(2.3) 46%	RUN 14				(1 joint at 75°, open with brown staining; few severely weathered zones)
207.8	114.0	5.0	2:51 2:04 1:21 1:31 3:31	(5.0) 100%	(4.3) 86%	RUN 15				(4 joints at 45°, open with trace brown staining; 1 joint at 75°, open with trace brown staining)
202.8	119.0									

NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

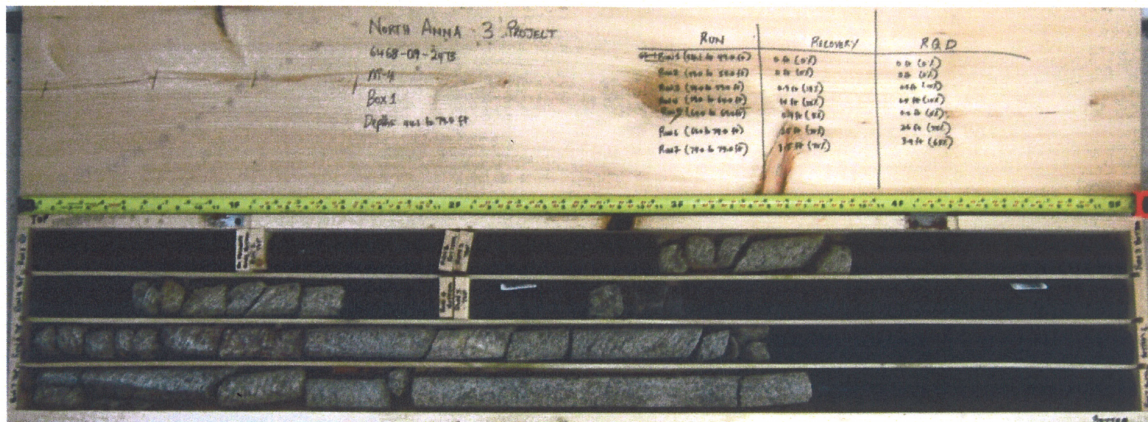


SHEET 2 OF 2

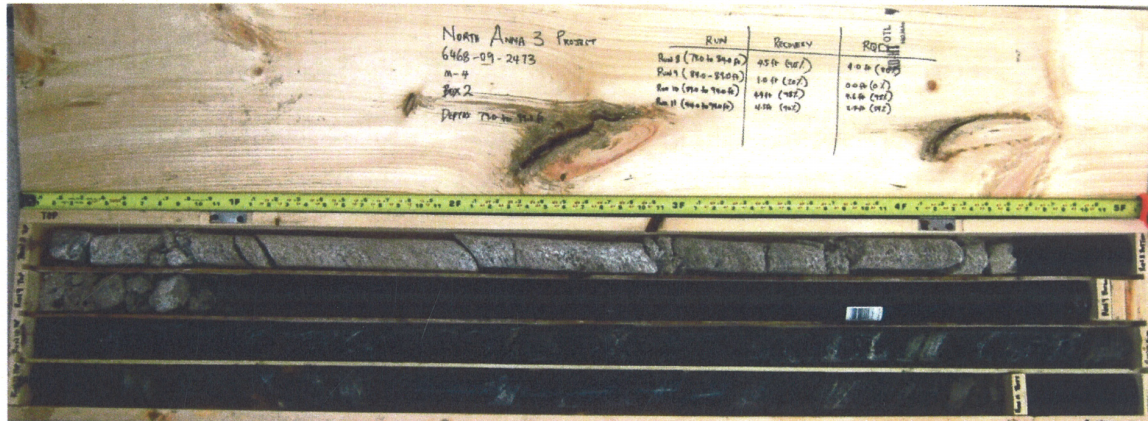
BECHTEL PROJECT NO.: 25161	MACTEC PROJECT NO.: 6468-09-2473	COUNTY: Louisa, VA	GEOLOGIST: A. Mwembeshi
SITE DESCRIPTION: North Anna 3 Project Supplement 2		DRILLER: R. Landeros/D. Reneau	FLUID LEVEL (ft)
BORING NO.: M-4	DRILL METHOD: Mud Rotary/Rock Core	DRILL MACHINE: CME-550X (ATL)	0 HR. NA
GROUND ELEV.: 321.8 ft (NAVD88)	NORTHING: 3,909,456 US ft (NAD83)	EASTING: 11,685,695 US ft (NAD83)	24 HR. 25.0
TOTAL DEPTH: 154.0 ft	SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08		HAMMER (ID): 140-lb. Auto (MEC-05)
DATE STARTED: 9/11/09	COMPLETED: 9/15/09	CASING DEPTH: 44.0 ft	CORE BARREL TYPE: Wireline NQ3 Triple Tube, series 6 bit

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %		
										Continued from previous page
197.8	124.0	5.0	2:22 1:32 1:23 1:34 1:22	(5.0) 100%	(4.6) 92%	RUN 16				HARD ROCK: Light to dark gray, moderately to very slightly weathered, very close to wide fracturing, medium hard to hard, BIOTITE GNEISS (<i>continued</i>) (2 joints at 45°, open with trace staining; 2 joints at 60°, open with trace orange staining)
192.8	129.0	5.0	1:30 1:54 1:35 1:42 3:22	(4.8) 96%	(4.8) 96%	RUN 17				(1 joint at 45°, open; 2 joints at 60°, open; 0.4 ft thick quartz vein between 128.0 and 129.0 feet)
187.8	134.0	5.0	2:17 2:23 0:00 1:57 2:36	(3.9) 78%	(2.6) 52%	RUN 18				(3 joints at 45°, open; severely weathered, very soft zone from 130.0-131.0 ft)
182.8	139.0	5.0	2:31 2:09 3:05 1:33 1:33	(5.0) 100%	(4.8) 96%	RUN 19				(2 joints at 45°, open with trace weathered rock; 1 joint at 75°, open with trace orange staining)
177.8	144.0	5.0	1:28 1:43 1:57 1:47 1:37	(5.0) 100%	(5.0) 100%	RUN 20				(2 joints at 45°, tight; several mechanical fractures)
172.8	149.0	5.0	2:35 2:04 2:12 2:20 1:35	(5.0) 100%	(5.0) 100%	RUN 21				(fractures are mechanical)
167.8	154.0	5.0	1:57 2:03 2:15 2:04 2:30	(4.6) 92%	(2.0) 40%	RUN 22				(8 joints at 45°, open with trace weathered rock; 0.8 ft thick severely weathered, very soft zone from 151.0 to 152.0 feet)
										Boring and coring terminated at 154.0 feet.
										Boring closed by tremie method with cement-bentonite grout.
										24 hour water level measured on 9/15/2009 prior to drilling. Borehole was at a depth of 119.0 feet.

NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09



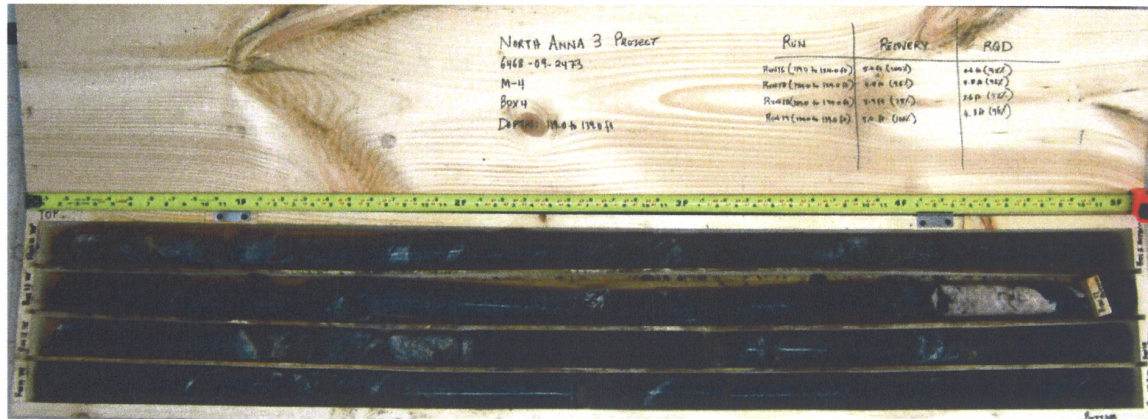
M-4 – Box 1



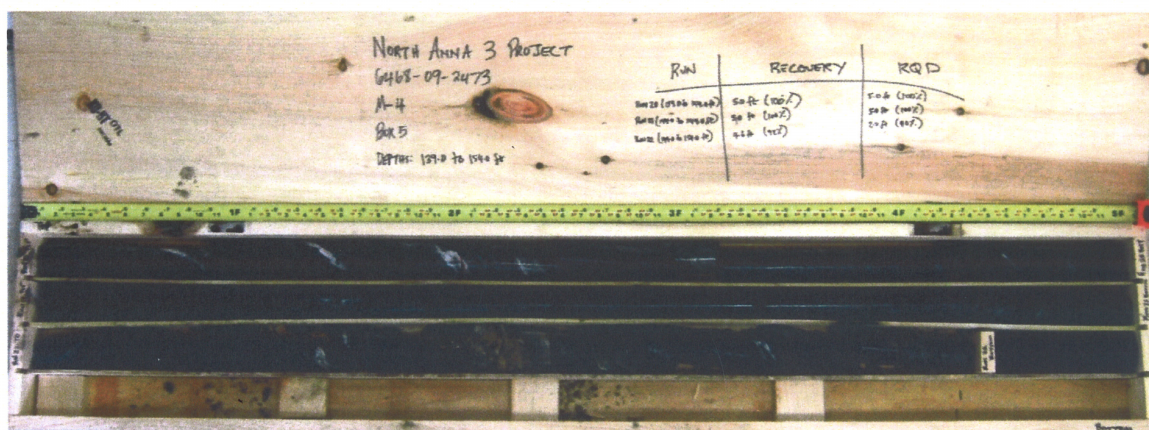
M-4 – Box 2



M-4 – Box 3



M-4 – Box 4



M-4 – Box 5



BECHTEL PROJECT NO.: 25161				MACTEC PROJECT NO.: 6468-09-2473				COUNTY: Louisa, VA				GEOLOGIST: R. Clark							
SITE DESCRIPTION: North Anna 3 Project Supplement 2												DRILLER: T. Hahn/R. Hall				FLUID LEVEL (ft)			
BORING NO.: M-6				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)				0 HR.		22.5					
GROUND ELEV.: 327.8 ft (NAVD88)				NORTHING: 3,909,401 US ft (NAD83)				EASTING: 11,685,760 US ft (NAD83)				24 HR.		26.5					
TOTAL DEPTH: 150.4 ft				SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08				ROD TYPE: AWJ				HAMMER (ID): 140-lb. Auto (MEC-21)							
DATE STARTED: 9/16/09				COMPLETED: 9/21/09				HOLE DIA.: 4"				CASING DEPTH: 79.2 ft				CORE SIZE: HQ3		BITS USED: 3-7/8" Tri-Cone	
ELEV.	DEPTH	BLOW COUNT			BLOWS PER FOOT						SAMP.	MOI	LOG	SOIL AND ROCK DESCRIPTION					
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	NO.								
327.8					Ground Surface									327.8	0.0				
															No sampling from 0.0 to 9.1 feet due to soft dig utility clearance by Dominion Personnel.				
318.7	9.1													318.7	9.1				
317.2	10.6	8	8	11							SS-1				RESIDUAL SOIL: Sandy SILT (ML), very pale brown (10YR 7/4), very stiff, moist, trace angular rock fragments, relict rock fabric				
314.9	12.9	8	9	9							SS-2								
															12.9 ft: Brown (10YR 5/3), stiff, fine grained sand, some mica, trace organics				
311.7	16.1	6	5	10							SS-3			312.8	15.0				
															RESIDUAL SOIL: Silty SAND (SM), yellowish brown (10YR 5/4), medium dense, moist, fine grained sand, some mica, relict rock fabric				
308.7	19.1	5	5	7							SS-4				19.1 ft: Light olive brown (2.5Y 5/3)				
303.7	24.1	6	6	8							SS-5								
298.7	29.1	4	5	7							SS-6								
293.7	34.1	12	18	22							SS-7				29.1 ft: Strong brown (7.5YR 5/6), dense				
288.7	39.1	14	18	19							SS-8				34.1 ft: Light olive brown (2.5Y 7/3)				
283.7	44.1	7	10	15							SS-9				39.1 ft: Yellowish brown (10YR 5/4), medium dense				
278.7	49.1	16	17	26							SS-10				44.1 ft: Light olive brown (2.5Y 7/3), dense,				
273.7	54.1	6	12	23							SS-11			279.8	48.0				
															RESIDUAL SOIL: Sandy SILT (ML), Reddish yellow (7.5YR 6/6), hard, moist, fine grained sand, trace mica, relict rock fabric				
268.7	59.1	19	26	45							SS-12			276.8	51.0				
															RESIDUAL SOIL: Silty SAND (SM), Light olive brown (2.5Y 7/3), very dense, moist, fine grained sand, some mica, relict rock fabric				
263.7	64.1	13	15	19							SS-13				59.1 ft: Dense, wet				
258.7	69.1	15	34	50/0.3							SS-14			262.3	65.5				
															64.1 ft: Yellowish brown (10YR 5/4), very dense, fine to medium grained sand				
253.7	74.1	28	50/0.2								SS-15				WEATHERED ROCK: Severely weathered BIOTITE QUARTZ GNEISS (Sampled as Silty SAND (SM), light yellowish brown (10YR 6/4), very dense, wet, fine to medium grained sand and angular rock fragments, some mica)				

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

BECHTEL PROJECT NO.: 25161		MACTEC PROJECT NO.: 6468-09-2473		COUNTY: Louisa, VA		GEOLOGIST: R. Clark		
SITE DESCRIPTION: North Anna 3 Project Supplement 2				DRILLER: T. Hahn/R. Hall		FLUID LEVEL (ft) 0 HR. 22.5 24 HR. 26.5		
BORING NO.: M-6		DRILL METHOD: Mud Rotary/Rock Core		DRILL MACHINE: CME-55 Track (RAL)				
GROUND ELEV.: 327.8 ft (NAVD88)		NORTHING: 3,909,401 US ft (NAD83)		EASTING: 11,685,760 US ft (NAD83)				
TOTAL DEPTH: 150.4 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08			ROD TYPE: AWJ		HAMMER (ID): 140-lb. Auto (MEC-21)	
DATE STARTED: 9/16/09		COMPLETED: 9/21/09	HOLE DIA.: 4"	CASING DEPTH: 79.2 ft	CORE SIZE: HQ3	BITS USED: 3-7/8" Tri-Cone		

ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100						
253.0					Continued from previous page											
248.7	79.1	50/0.1									SS-16			248.6	79.2	HARD ROCK: Light gray with orange and reddish brown staining, moderately severely to moderately weathered, close to moderately close fracturing, soft to medium hard, BIOTITE QUARTZ GNEISS with trace magnetite
		50/0.1			50/0.1						SS-17					
														216.4	111.4	HARD ROCK: Light gray and black, with reddish brown staining, moderately weathered, close to moderately close fracturing, medium hard to moderately hard, QUARTZ BIOTITE GNEISS with trace hornblende
														201.4	126.4	HARD ROCK: Gray to light gray, trace pink, fresh, close to wide fracturing, very hard, BIOTITE QUARTZ GNEISS with trace magnetite

BECHTEL PROJECT NO.: 25161						MACTEC PROJECT NO.: 6468-09-2473						COUNTY: Louisa, VA						GEOLOGIST: R. Clark					
SITE DESCRIPTION: North Anna 3 Project Supplement 2												DRILLER: T. Hahn/R. Hall						FLUID LEVEL (ft)					
BORING NO.: M-6						DRILL METHOD: Mud Rotary/Rock Core						DRILL MACHINE: CME-55 Track (RAL)						0 HR.		22.5			
GROUND ELEV.: 327.8 ft (NAVD88)						NORTHING: 3,909,401 US ft (NAD83)						EASTING: 11,685,760 US ft (NAD83)						24 HR.		26.5			
TOTAL DEPTH: 150.4 ft				SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08								ROD TYPE: AWJ				HAMMER (ID): 140-lb. Auto (MEC-21)							
DATE STARTED: 9/16/09				COMPLETED: 9/21/09				HOLE DIA.: 4"				CASING DEPTH: 79.2 ft				CORE SIZE: HQ3				BITS USED: 3-7/8" Tri-Cone			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION									
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100													
178.2					Continued from previous page																		
												177.4		150.4									
														Boring and coring terminated at 150.4 feet.									
														Boring closed by tremie method with cement-bentonite grout.									

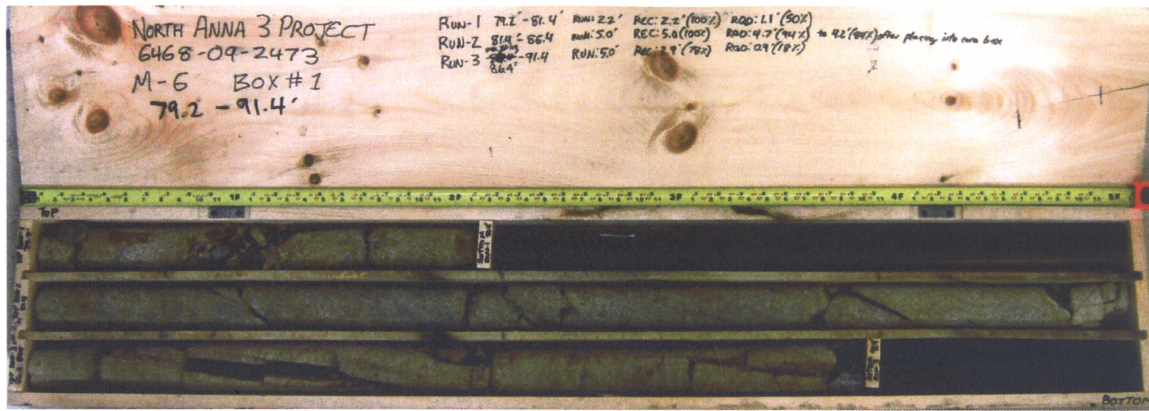
NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

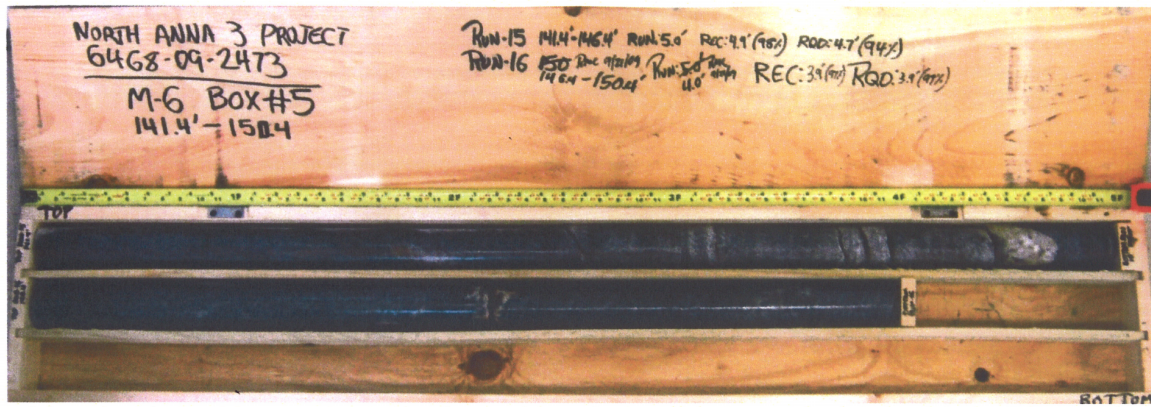


SHEET 1 OF 1

BECHTEL PROJECT NO.: 25161				MACTEC PROJECT NO.: 6468-09-2473				COUNTY: Louisa, VA		GEOLOGIST: R. Clark						
SITE DESCRIPTION: North Anna 3 Project Supplement 2								DRILLER: T. Hahn/R. Hall		FLUID LEVEL (ft)						
BORING NO.: M-6				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)		0 HR.	22.5					
GROUND ELEV.: 327.8 ft (NAVD88)				NORTHING: 3,909,401 US ft (NAD83)				EASTING: 11,685,760 US ft (NAD83)		24 HR.	26.5					
TOTAL DEPTH: 150.4 ft			SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08						HAMMER (ID): 140-lb. Auto (MEC-21)							
DATE STARTED: 9/16/09			COMPLETED: 9/21/09		CASING DEPTH: 79.2 ft		CORE BARREL TYPE: Wireline HQ3 Triple Tube, series 6 & 10 bits									
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS						
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %								
										Begin Coring @ 79.2 ft						
248.6	79.2	2.2	1:15	(2.2)	(1.1)	RUN 1	(25.8)	(18.0)		248.6	HARD ROCK: Light gray with orange and reddish brown staining, moderately severely to moderately weathered, close to moderately close fracturing, soft to medium hard, BIOTITE QUARTZ GNEISS with trace magnetite (3 joints at 0-10°, open; quartz vein at 60° from 80.1-80.3 ft) (2 joints at 45°, tight)	79.2				
246.4	81.4	5.0	0:18/0.2	100%	50%	RUN 2	80%	56%								
			1:11	(5.0)	(4.7)	RUN 2										
			1:03	100%	94%											
			0:45			RUN 3										
			0:55													
			0:58			RUN 3										
241.4	86.4	5.0	1:08	(3.9)	(0.9)											
			0:59	78%	18%	RUN 3				RUN 4						
			0:58													
			1:02			RUN 4										
			1:04													
236.4	91.4	5.0	1:28	(2.6)	(1.5)	RUN 4				RUN 5						
			1:31	52%	30%											
			1:28			RUN 5										
			1:26													
			1:35			RUN 5										
231.4	96.4	5.0	1:25	(4.7)	(2.7)											
			1:33	94%	54%	RUN 5			RUN 6							
			1:24													
			1:21			RUN 6										
			1:12													
226.4	101.4	5.0	1:21	(2.6)	(2.6)	RUN 6			RUN 7							
			1:02	52%	52%											
			1:03			RUN 7										
			1:05													
			1:08			RUN 7										
221.4	106.4	5.0	1:21	(4.8)	(4.5)											
			1:07	96%	90%	RUN 7			RUN 8							
			1:14													
			1:05			RUN 8										
			1:01													
216.4	111.4	5.0	1:11	(4.1)	(3.3)	RUN 8			(14.1)	(11.7)	216.4	HARD ROCK: Light gray and black, with reddish brown staining, moderately weathered, close to moderately close fracturing, medium hard to moderately hard, QUARTZ BIOTITE GNEISS with trace hornblende (2 joints at 45°, tight with trace iron staining; 1 joint at 60°, tight with trace iron staining) (2 joints at 45°, tight with iron staining)	111.4			
			1:14	82%	66%	RUN 8	94%	78%								
			1:26			RUN 9										
			1:28													
			1:31			RUN 9										
211.4	116.4	5.0	1:11	(5.0)	(4.2)											
			1:45	100%	84%	RUN 9			RUN 10							
			1:45													
			1:52			RUN 10										
			1:37													
206.4	121.4	2.0	5:02	(2.0)	(1.6)	RUN 10			RUN 11							
			5:06	100%	80%											
204.4	123.4	3.0	4:49	(3.0)	(2.6)	RUN 11			RUN 12							
			3:17	100%	87%											
			3:43			RUN 12										
201.4	126.4	5.0	3:42	(5.0)	(5.0)						(23.8)	(23.1)	201.4	HARD ROCK: Gray to light gray, trace pink, fresh, close to wide fracturing, very hard, BIOTITE QUARTZ GNEISS with trace magnetite (foliation at 60° to core axis)	126.4	
			4:12	100%	100%	RUN 12			99%	96%						
			7:18			RUN 13										
			8:45													
			8:04			RUN 13										
196.4	131.4	5.0	5:26	(5.0)	(5.0)											
			5:16	100%	100%	RUN 13	RUN 14									
			5:22													
			5:15			RUN 14										
			5:28													
191.4	136.4	5.0	5:15	(5.0)	(4.5)	RUN 14	RUN 15									
			6:19	100%	90%											
			7:20			RUN 15										
			6:28													
			7:17			RUN 15										
186.4	141.4	5.0	7:29	(4.9)	(4.7)											
			7:12	98%	94%	RUN 15	RUN 16									
			6:25													
			6:48			RUN 16										
			6:33													
181.4	146.4	4.0	9:34	(3.9)	(3.9)	RUN 16	RUN 17									
			11:25	98%	98%											
			8:11			RUN 17										
			12:08													
177.4	150.4										177.4	Boring and coring terminated at 150.4 feet.	150.4			
										Boring closed by tremie method with cement-bentonite grout.						

NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09





M-6 – Box 5