

# **IODP Expedition 313, New Jersey Shallow Shelf**

## **Drillers Log**

**Site 313-M0027A**

### **DOSECC**

(Drilling, Observation and Sampling of the Earths Continental Crust)

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[www.dosecc.org](http://www.dosecc.org)

# DOSECC DRILLERS LOG

(M0027A)  
(UAT-1A)

LOCATION New Jersey Margin

Hole # 90

DAY (10:00) AM ENDED 11:00 AM  
NIGHT (11:00) PM ENDED 12:00 PM

Date May 1 2009  
Rig # CS4002  
Job # IODP 313

DRILLER Shawn L. Jess V, Ben M.

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
10:00	10:30				IODP 313			Wait on KAYD to clear work	
10:30	12:30							Pull out tools and wireline tools	
12:30	2:00							transfer all items to ? from Rana Miller supply Boat.	
7:00	4:00							Fix Deck and prepare to Run in Hole.	
4:00	11:00							Run in Hole. (15/10) Casing Fire Drill	
TOTAL								Percentage Recovered	%

**Comments:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Mud Used**

Gel	<u>0</u>	Rod Grease	<u>0</u>
Polymer	<u>0</u>	Cutting Oil	<u>0</u>
Soda Ash	<u>0</u>	Other (Specify)	<u>0</u>

# DOSECC DRILLERS LOG

M0027A  
(MAT-1A)

LOCATION IODP 313 New Jersey

Hole # 90

DAY

AM

AM

Angle 90

Shift Started 6:00 ENDED 6:00

Date May 1 2009

NIGHT

PM

PM

Rig # CS4002

Job # IODP313

DRILLER Jesus Higuera / Kyle Petro / Dave Reichman

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
12:00	12:30	01	0	2.4	2.4	2.40	Sand	offset 50.55 m to top	
12:30	1:30	02	2.4	4.76	2.36	2.36	Sand	at hand	
1:30	2:30	03	4.76	7.47	2.71	2.71	Sand		
3:30	4:30	04	7.47	10.24	2.79	2.79	Sand		
4:30	5:00	05	10.24	12.26	2.00	2.00	Sand		
5:00	11:00								From Alpha Muck
6:00	11:00	-	-						RUN IN Casine
11:00	12:00	-	-						RUN IN PG Drilling
TOTAL								Percentage Recovered	%

Comments: All core contain sand and seashells.

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Mud Used      Gel 7      Rod Grease \_\_\_\_\_  
 Polymer \_\_\_\_\_      Cutting Oil \_\_\_\_\_  
 Soda Ash \_\_\_\_\_      Other (Specify) \_\_\_\_\_

Parts and Supplies

# DOSECC DRILLERS LOG

(M0027A)

LOCATION

NJ MARGIN

Hole #

MAT-1

Angle

90

DAY

AM

AM

Date

05/02/09

Shift Started

6:00

ENDED

Rig #

CS 4002

NIGHT

PM

PM

Job #

IODP 313

DRILLER

SHAUN L., JESS V., BEAU M.

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600		<del>5</del>	12.26	—	(-0.72)			72cm of FILL	
		6	11.54	13.74	2.20	2.20	Sand	72 cm of Fill / 1.48 m	new core
		<del>6</del>	13.74	—	(-0.37)			23cm of FILL	
		7	13.41	15.26	1.85	1.85	Sand	CORE-HPC	
		8	15.26	17.64	2.38	2.38	clay	CORE-HPC	
		9	17.64	—	(-0.46)			.46cm of FILL	
		9	17.18	19.13	1.95	1.95	clay	CORE-HPC	
		10	19.13	20.43	1.30	0.98	clay		
		11	20.43	22.58	1.715	1.715	clay		
		12	<del>22.58</del>						
		12	21.58	22.68	1.10	0.87	clay		
600		<del>13</del>	<del>22.68</del>	<del>25.58</del>	<del>3.2</del>	<del>3.2</del>			
600		13	22.68	25.58	2.9	2.9			
TOTAL							Percentage Recovered		%

Comments:

Hole stuck getting stuck @ 17.64

Mud Used

Gel

22

Polymer

Soda Ash

Rod Grease

Cutting Oil

Other (Specify)

Parts and Supplies

### DOSECC DRILLERS LOG

LOCATION

NJ Margin

Hole #

M0027A  
(MAT-1A)

Angle

90°

DAY

AM

AM

Date

5/02/09

Shift Started

6:00

ENDED

6:00

Rig #

CS-4002

NIGHT

PM

PM

Job #

IODP313

DRILLER

Jesus / Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Rebit inspection					1/2 hrs	
			22.69	25.58				Ream	
	7:40		25.58	26.39	.80				
8:30			Trip to Adams					50.5'	
			Casing in @ 1:30 AM.					Condition Hole	
	3:00		26.38	27.98	1.60			Pump thick Mud	
			27.98	28.08	.10			1/2 hrs.	
			28.08	2993	1.85				
TOTAL								Percentage Recovered	%

Comments:

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Mud Used Turner Gel 28  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

Parts and Supplies

# DOSECC DRILLERS LOG

M0027A

LOCATION

MT / margin

Hole #

(MAT-1A)

Angle

-90°

DAY

AM

AM

Date

5-3-09

Shift Started

6

ENDED

6

Rig #

CS-4002

NIGHT

PM

PM

Job #

TOPP 313

DRILLER

Shawn Jess

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630								
630	730								
730	800								
800	900								
900	930	①	29.93	31.45	1.52	1.52			
930	945								
945	1130								
1130	1230								
1230	200								
200	215	②	31.45	33.00	1.61	1.61			
215	230								
230	300								
300	400								
400	600								
TOTAL							Percentage Recovered		%

Comments:

Sand keeps coming in @ around 28' try to condition hole w/ thicker mud and using different tools but keeps coming in.

Mud Used

Funnel Gel

42

Polymer

Soda Ash

Rod Grease

Cutting Oil

Other (Specify)

Salt - 15

Parts and Supplies

# DOSECC DRILLERS LOG

M0027A

LOCATION NW Margin

Hole # (MAT-1A)

DAY \_\_\_\_\_

AM

AM

Angle 90°

Shift Started 6:00

ENDED 6:00

Date 5/13/09

Rig # CJ-9002

NIGHT

PM

PM

Job # \_\_\_\_\_

DRILLER Jaswi/Kyle/Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		6.00	7.00					
6:30			7.00	1.00			can't get back to bottom		
	7:00						pull center bit (Bit Gone)		
			9:45				trip to check (BHA)		
					632	31.45			
					33.06	0		Shot off	
	12:00		32.77	35.8				HPC @ 32.77	
			205	35.87	3.05	0		Try with ALN	
				38.87	3.05	0		Bit plugged up	
				41.92	3.05	1.5m		pull Back ALN	
	5:45							and pump to	
								clean out Hole	
	6:00							Change shift	
								Rock stuck	
<b>TOTAL</b>							<b>Percentage Recovered</b>	<b>%</b>	

**Comments:**

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**Mud Used**

Gel 27  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

**Parts and Supplies**

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# DOSECC DRILLERS LOG

M0027A

LOCATION NJ / margin

Hole # (Mat-1A)

DAY 6 AM

Angle -90°

Shift Started 6 ENDED 6

Date 5-4-09

NIGHT PM

Rig # CS-4200

Job # \_\_\_\_\_

DRILLER Shawn JCS, Bead

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630								
630	800								
800	900								
900	1100								
1100	100								
100	300								
300	400								
400	600								
TOTAL							Percentage Recovered		%

**Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mud Used Tunnel Gel 6  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_  
 Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

Parts and Supplies



# DOSECC DRILLERS LOG

MOO27A  
(MAT-1A)

LOCATION NE Margin

Hole # \_\_\_\_\_

DAY \_\_\_\_\_ AM AM

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 5/4/09

NIGHT \_\_\_\_\_ PM \_\_\_\_\_ PM

Rig # \_\_\_\_\_

Job # \_\_\_\_\_

DRILLER Luis A. Nigvera

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pre-shift inspection						
			Pull Casing (stuck)						
			Work Casing (NO GO)						
			<del>Work</del> trip in PA						
12:20	4:00		60' off Bottom all Casing in						
			Ream back to Bottom						
			41.92	44.97	3.05	2.80			
			44.97	48.02	3.05	3.00			
TOTAL							Percentage Recovered		%

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mud Used Tunnel 59  
 Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

Parts and Supplies

# DOSECC DRILLERS LOG

M0027A

2 of 2

LOCATION NJ/mrg

Hole # (1817-1)

DAY AM PM

Angle -90°

Shift Started 6 ENDED 1

Date 5-5-09

NIGHT PM

Rig # CS4200

Job # \_\_\_\_\_

DRILLER Shawn Jess Beau

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
6:30	7:00	(1) <sup>25</sup>	48.02	51.07	3.05	3.05			Down
7:00		TT							
	8:30								
8:30	8:45	(2) <sup>20</sup>	51.07	54.12	3.05	0.20			← 10032 Down
8:45	9:00								
9:00	9:30	TT							
9:30	9:45	(3)	54.12	57.17	3.05	1.18			← 10033 Down
9:45	10:00								
10:00	10:30	TT							
10:30	11:00								
11:00	11:15	(4) <sup>8</sup>	57.17	60.22	3.05	1.07			← 10034 Down
11:15	11:30								
11:30	11:55	TT							
11:55	12:15								
12:15	12:30	(5) <sup>9</sup>	60.22	63.27	3.05	0			← 10035 Down
12:30	12:45								
12:45	1:15	TT							
1:15	1:30								
1:30	1:45	(6) <sup>10</sup>	63.27	66.32	3.05	0.57			← 10036 Down
1:45	2:00								
2:00	3:00	TT							
3:00		315							
TOTAL							Percentage Recovered		%

**Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Mud Used**

Gel	_____	Rod Grease	_____
Polymer	_____	Cutting Oil	_____
Soda Ash	_____	Other (Specify)	_____

**Parts and Supplies**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# DOSECC DRILLERS LOG

M0027A

LOCATION NT / Mac 10/2

Hole # (M0027-1)

DAY 7 AM AM

Angle -40°

Shift Started \_\_\_\_\_ ENDED \_\_\_\_\_

Date 5-5-09

NIGHT PM PM

Rig # CS-4200

Job # \_\_\_\_\_

DRILLER Shawn Jess Beau

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
315	330	⑦	66.32	72.42	6.1	0			ROD 37 + 38 Run
330	375		circulate bottom						
415	415	TT							
415	430		Ream in bottom						
430	445	⑧	72.42	75.47	3.05				ROD 39
445	500		circulate bottom						
500	515	TT							
515	530		Ream in bottom						
530	575	⑨	75.47	77.05	1.58	.98			ROD 40
575	600	TT							
TOTAL							Percentage Recovered		%

Comments: client had us start drilling him every construction @ 66.32

Mud Used Unifit Get 67  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) Salt-10

Parts and Supplies \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# DOSECC DRILLERS LOG

MOO 2 FA

LOCATION NJ / Margin

Hole # (MAJ 11)

DAY

AM

AM

Angle -90°

Shift Started 6

ENDED 6

Date 5-6-09

NIGHT

PM

PM

Rig # CS-42cm

Job # \_\_\_\_\_

DRILLER Shawn, Jess, Beau

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Rig check						
630	900		Pump Down allison, sands in when in barrel (x3)						
900	915		Pump Down extended nose & drill to bottom, blocked						off
915	930		Circulate bottoms UP.						
930	1000		TT						1000
1000	1015		Return to Bottom						
1015	1030	①	84.62	85.84	1.22	0.27		(44)	(44)
1030	1045		Circulate bottom UP						
1045	1100		TT						
1100	1115		Return to bottom, blocked off @ bottom						
1115	1130		TT						
1130	1145		Return to Bottom						
1145	1200	②	85.84	87.67	1.83			Run 43 down	(45)
1200	1215		Circulate Bottom UP						
1215	100		TT						
100	115	③	87.67	88.02	0.35	0.40			(46)
115	200		Circulate bottoms UP						
200			TT						
	300		hole come in but to full hole 12' and return to bottom						
	300		run HPC tool / Switch mud to 2 hrs gel = 1 hr gel 3 hrs gel						3 hrs gel
300	315		TT						
315	345	④	88.02	90.72	2.70	1.90		Run 44 down	(47)
345	400		Circulate Bottoms UP.						
400	445	⑤	90.72					Drop & shoot HCP, full, no recovery	(48)
445	500		Return to back to last shot.						
500	515		Circulate bottoms UP						
515	545		TOTAL				Percentage Recovered	%	

515 545 ⑥ 90.72 to 93.77 / c-3.05 R-0.50 Shoot HPC @ same spot

Comments: 545 / 600 Reaming back down to shot spot.

Mud Used: runnel Gel 48  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) agungell-7  
no-sag-5 bks

Parts and Supplies \_\_\_\_\_

*(Handwritten scribbles)*

*(Handwritten scribbles)*

# DOSECC DRILLERS LOG

MOOZYA

LOCATION

ND Margin

Hole #

(MAT 1A)

Angle

90°

DAY

AM

Date

5/6/09

Shift Started

6:00

ENDED

8:00

PM

Rig #

5-4002

Job #

DRILLER

Jesui / Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:30	6:30								
		147	93.77	96.82	3.05	.93		rod 46	
		248	96.92	99.87	3.05	.80	CLAY!!	rod 47	
		349	99.87	102.82	3.05			insert new Coring	rod 48
		450	102.82	105.87	3.05			Bit	rod 49
		551	105.87	108.82	3.05			rod 50	
		652	108.82	111.87	3.05			rod 51	
		753	111.87	114.82	3.05	.30		rod 52 take a shot	HPC
		8	114.82	117.87	3.05			rod 53 insert new Coring	Bit
		9	117.87	120.82	3.05			rod 54	
		10	120.82	123.87	3.05			rod 55	
		11	123.87	126.82	3.05			rod 56	
		12	126.82	129.87	3.05			rod 57	
		13	129.87	132.82	3.05			rod 58	
		14	132.82	135.87	3.05	.0		rod 59	HPC
TOTAL								Percentage Recovered	%

Comments:

Mud Used

TUNNEL

38

Polymer

Soda Ash

Agar Gel

Parts and Supplies

19

Rod Grease

Cutting Oil

Other (Specify)

No Sag

6

# DOSECC DRILLERS LOG

**M0027A**  
**(MAT 1A)**

LOCATION MT Margin

Hole # MAT-1

**(DAY)**

**(AM)**

AM

Angle -90°

Shift Started 6 ENDED 6

Date 5-7-09

NIGHT

PM

**(PM)**

Rig # CS-4200

Job # \_\_\_\_\_

DRILLER Shawn, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Rig Safety Check						
6:30		①	136.47	139.52	3.05	1.10	(HPL)	R0060	<div style="border: 1px solid black; display: inline-block; padding: 2px;">100</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">53</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">52</div>  <div style="border: 1px solid black; display: inline-block; padding: 2px;">55</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">56</div>  <div style="border: 1px solid black; display: inline-block; padding: 2px;">57</div>
		②	139.52	142.57	3.05	1.22	(HPL)	R0061	
		③	142.57	145.62	3.05	-----	(NCA)	R0062	
		④	145.62	148.67	3.05	-----	(NCA)	R0063	
		⑤	148.62	151.67	3.05	-----	(NCA)	R0064	
		⑥	151.67	154.72	3.05	-----	(NCA)	R0065	
		⑦	154.72	157.77	3.05	-----	(NCA)	R0066	
		⑧	157.77	160.82	3.05	-----	(NCA)	R0067	
		⑨	160.82	163.87	3.05	0.35	(HPL)	R0068	
		⑩	163.87	166.92	3.05	0.12	(HPL)	R0069	
		⑪	166.92	167.26	0.34	-----	(NCA)	R0070	
		⑫	167.26	169.97	2.71	1.98	(HPL)	R0079	
		⑬	169.97	173.02	3.05	-----	(NCA)	R0071	
6:00		⑭	173.02	-----	-----	-----	(NCA)	R0072	
TOTAL							Percentage Recovered		%

Comments: 50 tunnel, 25 AQUA 5 Buckets NO SAG.

Mud Used 7MMGel 50  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) Aluminate  
NO Sag - 5 buckets

Parts and Supplies \_\_\_\_\_

# DOSECC DRILLERS LOG

M0027A

LOCATION NJ Margin

Hole # (MAT 1A)

Angle 90°

DAY \_\_\_\_\_ AM \_\_\_\_\_ AM \_\_\_\_\_

Date 5/7/04

Shift Started 6:00 ENDED 6:00

Rig # CS-4003

**(NIGHT)** \_\_\_\_\_ PM \_\_\_\_\_ PM \_\_\_\_\_

Job # \_\_\_\_\_

DRILLER Jari/Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Permit inspection						
			173.02	176.07	3.05		NCA	rod 72	
		58	176.07	179.12	3.05	1.80	(HPC)	rod 73	
9:15								stuck tube	
								wire line broke	
								trip out long pipe	
								logs splice	
								at minimum line	
								on	
								trip in	
								the condition @	
								60' from Bottom	
								Return to Bottom	
								Red stuck 25 Min	
								Condition Hole every	
	6:00							20'	
TOTAL							Percentage Recovered		%

Comments: B+ # 9A3225 H

Mud Used  
 Gel 16  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) 8

Parts and Supplies SAG - 2

Wireline Repair 2150 - 0050 next day.  
equates to 3 hrs DOSECC DOWNTIME.



# DOSECC DRILLERS LOG

**M0027A**  
**(MAT 1A)**

LOCATION NT/Maryia

Hole #                     

**(DAY)**

**(AM)**

AM

Angle -90°

Shift Started 6 ENDED 6

Date 5-8-09

NIGHT

PM

**(PM)**

Rig # C5-4002

Job #                     

DRILLER Shaun, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety check						
630	800	<del>59</del>	179.12	179.12	5.16	5.16	SLK	tube scanner in	
800	1200		Ran trip pipe hit fill 8' from bottom						
1200	130		Break circ & return to bottom						
130	145		Circulate bottom of hole						
<del>145</del>	<del>200</del>	<del>59</del>	<del>179.12</del>	<del>179.12</del>	<del>0.09</del>	<del>0.09</del>	<del>(HPL)</del>	<del>Ro074</del>	<del>✓</del>
145	200	59	176.56	179.26	2.70	2.24	(HPL)	Ro074	✓
		<del>60</del>	<del>179.26</del>	<del>179.55</del>	<del>0.09</del>	<del>0.09</del>	<del>(HPL)</del>	<del>Ro074</del>	<del>✓</del>
			<del>179.35</del>	<del>182.66</del>	<del>3.31</del>	<del>3.31</del>	<del>(HPL)</del>	<del>Ro075</del>	<del>✓</del>
		60	179.26	182.66	3.4	1.09	(HPL)	Ro075	✓
	600	61	182.66	185.71	3.05	3.05		Ro076	✓
TOTAL							Percentage Recovered		%

Comments: 30 Tunnel 15 AQUA ~~1/2~~ NO SAG

Mud Used  
 Gel < 30 funnel  
 Polymer 15 Aqua  
 Soda Ash                     

Rod Grease                       
 Cutting Oil                       
 Other (Specify) 4 NO SAG

Parts and Supplies

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# DOSECC DRILLERS LOG

M0027A

LOCATION

N 2 Margin

Hole #

(MATA)

DAY

AM

AM

Shift Started 6:00

ENDED 6:00

Angle

90°

Date

5/18/09

Rig #

24002

NIGHT

PM

PM

Job #

\_\_\_\_\_

DRILLER

Jesse / Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Preshift inspection						
		62	185.71	188.76	3.05	0.4		Rod 77	
		63	188.76	191.81	3.05	<del>3.05</del>	MS	Rod 78	
		64	191.81	194.86	3.05	.03	0.3	Rod 79 HPC	
11:00			tube stuck work tube (free) 2 hrs						
			fix wireline 1 hrs.						
			Pump to clear rods 1/2 hrs.						
	2:40		Pull Back 50' to work tube						
		65	192.11	194.86	2.65	3.0	→	ADVANCED HPC	RUN
		66	194.86	197.91	3.05	3.05		80 WITH EXN	
TOTAL							Percentage Recovered		%

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mud Used

Tunnel Gel

34

Rod Grease

Cutting Oil

Other (Specify)

Polymer

Soda Ash

6 NO Sag

Aqua Gel

17

Parts and Supplies

Note the weather repairs in above.

850-213.16

# DOSECC DRILLERS LOG

M0027A

(MAT 1A)

LOCATION NJ / Margin

Hole # (MAT 1A)

(DAY) AM AM

Angle -90°

Shift Started 6 ENDED 6

Date 5-9-04

NIGHT PM PM

Rig # CS-4002

Job # \_\_\_\_\_

DRILLER Shaun, Tess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Site Safety insp						
6:30		67	197.91	200.96	3.05	3.33	clay	Rod 81 (ext. nose)	
		68	200.96	204.01	3.05	3.34	clay	Rod 82 (ext. nose)	
		69	204.01	207.06	3.05	3.43	clay	Rod 83 (ext. nose)	
		70	207.06	208.92	1.86	<del>1.86</del> (1.86)	clay/sand	Rod 84 (ext. nose)	
		71	208.92	210.47	1.55	1.55	sand	Rod 84 (HPC) & Rod 85	
		72	210.47	210.88	.41	.41	clay	Rod 85 (HPC)	
		73	210.88	213.16	2.28	2.29	sandy clay	Rod 85 (ext. nose)	
6:00		74	213.16					Rod 86 (ext. nose)	
TOTAL					15.25	16	Percentage Recovered		%

Comments: (Lignam Vis-40)

Mud Used UNM Gel SD  
Polymer \_\_\_\_\_  
Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
Cutting Oil \_\_\_\_\_  
Other (Specify) No. 500-6  
alum sell-25

Parts and Supplies \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# DOSECC DRILLERS LOG

M0027A

LOCATION NT/Maggia

Hole # (Mut-1A)

DAY \_\_\_\_\_ AM (AM)

Angle -90°

Shift Started 6 ENDED 6

Date 5-9-09

(NIGHT) (PM) PM

Rig # CS 4002

Job # \_\_\_\_\_

DRILLER Jesus / Kyle Dave

10' ↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630								
630		74	213.16	216.21	3.05	3.23		ROD 86 (ext. nose)	
		75	216.21	219.26	3.05	3.00		ROD 87 (EXN)	
		76	219.26	222.31	3.05	3.45		ROD 88 EXN	
		77	222.31	223.06	0.75	1.14m		"	
		78	223.06	223.21	0.15	0.15m		"	
		79	223.21	223.36	0.15	0		"	
		80	223.36	225.36	2.0	0		ROD 89 (ALN)	
		80	225.36	228.41	3.05	2.40		ROD 90 (ALN)	
		82	228.41	231.46	3.05	2.70		ROD 91 (ALN)	
		82	231.46	234.51	3.05	1.90		ROD 92	
		83	234.51	-	-	-		ROD 93	
TOTAL								Percentage Recovered	%

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Rod Grease  
 Cutting Oil  
 Other (Specify) AVDA 7B  
 Polymer 36  
 Soda Ash 0

Parts and Supplies  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# DOSECC DRILLERS LOG

M0027A

LOCATION NS/marg, 4

Hole # (M0027A)  
 Angle -90°  
 Date 5-10-09  
 Rig # CS4002  
 Job # \_\_\_\_\_

(DAY) Shift Started 6 (AM) ENDED 6 AM  
 NIGHT PM (PM)

DRILLER Shawn, JESS, TAY

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30	<del>83</del>							
6:30		83	224.51	227.56	3.05	3.27	(clay)	Rod 93	(Allen)
		84	227.56	230.61	3.05	2.97	clay	Rod 94	(Allen)
		85	230.61	232.66	3.05	2.35	clay	Rod 95	(Allen)
		86	232.66	246.71	3.05	3.13	clay	Rod 96	(-----)
		87	246.71	249.76	3.05	3.16	clay	Rod 97	(-----)
		88	249.76	252.81	3.05	3.20	clay	Rod 98	(-----)
		89	252.81	255.86	3.05	3.12	clay	Rod 99	(-----)
		90	255.86	258.91	3.05	3.09	clay	Rod 100	(-----)
		91	258.91	261.96	3.05	3.14	clay	Rod 101	(-----)
		92	261.96	265.01	3.05	3.09	clay	Rod 102	(-----)
6:00		93	265.01	268.06	3.05	3.22	clay	Rod 103	(-----)
TOTAL					33.55	33.74	Percentage Recovered		%

Comments: (4.00 p.m. vis-38)  
need air filter for trash pump. (robbed one from new one)

Mud Used TuneGel Rod Grease \_\_\_\_\_  
 Polymer \_\_\_\_\_ Cutting Oil \_\_\_\_\_  
 Soda Ash \_\_\_\_\_ Other (Specify) no say -  
acetyl -

Parts and Supplies  
(New ALIEN core lifter spring & shoe) (Broke (3) Alien Spring/Bskt 470-408-0.010  
air filter for trash pump)

M

# DOSECC DRILLERS LOG

**M0027A**  
**(MAT 1A)**

LOCATION N Margin

Hole # \_\_\_\_\_

DAY \_\_\_\_\_ AM \_\_\_\_\_ AM \_\_\_\_\_

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 5/10/09

**NIGHT** \_\_\_\_\_ PM \_\_\_\_\_ PM \_\_\_\_\_

Rig # C5-4002

DRILLER Isis / Kyle Dove

Job # \_\_\_\_\_

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		<u>Fresh start inspection</u>						
6:30		94	268.06	271.11	3.05	3.42		Rod 104	
		95	271.11	274.16	3.05	2.0		Rod 105	
		96	274.16	277.21	3.05	3.2		Rod 106	
		97	277.21	280.26	3.05	3.25		Rod 107	
		98	280.26	283.31	3.05	3.05		Rod 108	
		99	283.31	286.36	3.05	3.35		Rod 109	
		100	286.36	289.41	3.05	3.2		Rod 110	
		101	289.41	292.46	3.05	3.4		Rod 111	
		102	292.46	295.51	3.05	3.2		Rod 112	
		103	295.51	298.56	3.05	3.3		Rod 113	
		104	298.56	301.61	3.05	3.4		Rod 114	
		105	301.61	304.66	3.05	3.4		Rod 115	
		106	304.66	307.71	3.05	3.15		Rod 116	
<b>TOTAL</b>								<b>Percentage Recovered</b>	<b>%</b>

Comments: B.T.V 8A8086 2A1

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Mud Used Tunnel  
 Gel 22  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Parts and Supplies 7 No sag

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) Aqua Gel 66

# DOSECC DRILLERS LOG

LOCATION NJ/margin

Hole # M0027A  
(M0027A)

DAY  AM

Angle -90°

Shift Started 6 ENDED 6

Date 5-11-09

NIGHT  PM  PM

Rig # CS 4002

Job # \_\_\_\_\_

DRILLER Shaun, Tess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety check						
630		107	307.71	310.76	3.05	2.22	clay	117	(Alisa)
		108	310.76	313.81	3.05	2.83	clay	118	
		109	313.81	316.86	3.05	3.46	clay	119	
		110	316.86	319.91	3.05	2.33	clay	120	
		111	319.91	322.96	3.05	3.45	clay	121	
		112	322.96	326.01	3.05	3.21	clay	122	
		113	326.01	329.06	3.05	3.21	clay	123	
		114	329.06	332.11	3.05	3.10	clay	124	
		115	332.11	335.16	3.05	2.96	clay	125	
		116	335.16	338.21	3.05	3.40	clay sand	126	
		117	338.21	339.05	0.84	1.72	sand clay	127	
		<del>118</del>	339.05	339.05	0	Never Retrieved		127	HR
660		118	339.05	339.43	0.38	0.38		127	
TOTAL								Percentage Recovered	%

Comments: (bits am vis-30) Tunnel 177, Aqua 31, 9 sag.

Mud Used: Gel \_\_\_\_\_ Rod Grease \_\_\_\_\_  
 Polymer \_\_\_\_\_ Cutting Oil \_\_\_\_\_  
 Soda Ash \_\_\_\_\_ Other (Specify) \_\_\_\_\_

Parts and Supplies  
3 HQ core lifters Springs / 4 liner Plug Obings

# DOSECC DRILLERS LOG

**M0027A**

LOCATION NJ/margin

Hole # (M0027A)

DAY 6 AM

Angle -4.4°

Shift Started 6 ENDED 6

Date 5-11-09

NIGHT PM PM

Rig # CS4002

Job # \_\_\_\_\_

DRILLER \_\_\_\_\_

1.82m ↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:25		119	339.43	341.26	1.82	1.7		Rod 127	
		120	341.26	344.31	3.05	0.58		Rod 128	
		121	344.31	347.36	3.05	1.60		Rod 129	
		122	347.36	350.41	3.05	1.06		Rod 130	
		123	350.41	353.46	3.05	0.65		Rod 131	
		124	353.46	354.03	.57	0.6			
		125	354.13	356.52	2.38	1.60		Rod 132	
		126	356.52	359.56	3.05	0.5		Rod 133	
		127	359.56	362.61	3.05	1.70		Rod 134	
TOTAL								Percentage Recovered	%

Comments: 341.26

Mud Used  
 Gel 28  
 Polymer 9  
 Soda Ash \_\_\_\_\_

Rod Grease  
 Cutting Oil AGNA  
 Other (Specify) AGNA

Parts and Supplies

OUT OF OXY FOR TANKS



# DOSECC DRILLERS LOG

M0027A

LOCATION NT/margia

Hole # (MAT. 1A)

DAY Shift Started 6 AM ENDED 6 AM

Angle -90°

Date 5-12-09

NIGHT Shift Started \_\_\_\_\_ ENDED \_\_\_\_\_ PM PM

Rig # CS 4002

Job # \_\_\_\_\_

DRILLER Sham, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials	
FROM	TO		FROM	TO						
600	630		Site - Safety check							
630		128	362.61	365.66	3.05	2.10	Sand	ROD 135 (Allen)		
		129	365.66	368.71	3.05	2.10	Sand	ROD 136		
		130	368.71	371.76	3.05	1.74	Sand	ROD 137		
		131	371.76	372.85	1.09	0.63	Sand	ROD 138		
		132	372.85	374.81	1.96	1.73	Sand	ROD 138		
	130	133	374.81	377.86	3.05	2.45		ROD 139		
		134	377.86							
130	330		Woke up in trip Back Sod to wash and condition hole on the way							
330	445		Back to Bottom to clean up clay seams							
445	515		Work on mainline							
515	600		continue washing to bottom hit culve 40' from bottom							
TOTAL							Percentage Recovered		%	

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mud Used TUNNEL Gel 7 NO Sag 0.7  
 Polymer \_\_\_\_\_ Rod Grease \_\_\_\_\_  
 Soda Ash \_\_\_\_\_ Cutting Oil \_\_\_\_\_  
 Other (Specify) Aqua Gel 3L

Parts and Supplies  
407-408 - O.D.D - Basket, (2) 476 - 113, orig. g)

# DOSECC DRILLERS LOG

M0027A

LOCATION NJ/Margin

Hole # (MAF-1A)

DAY

Angle -90°

Shift Started 6 ~~AM~~

ENDED 6 ~~PM~~

Date 5-12-09

NIGHT

Rig # CS 4002

Job # \_\_\_\_\_

DRILLER Jesse/Kyle Dave

10' ↑

Mud 52% w/ 12.

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Preshift inspection						
6:30	8:20		Ream hole 405 pump down tube					air latch	
			chase down with over shot (no go) pull tube pump on Rod						
		134	377.86	380.91	3.05	2.15		ROD 140	
		135	380.91	383.96	3.05	2.80		ROD 141	
		136	383.96	387.01	3.05	3.1		ROD 142	
		137	387.01	390.06	3.05	2.90		ROD 143	
		138	390.06	393.11	3.05	2.90		ROD 144	
		139	393.11	396.16	3.05	1.0		ROD 145	
		140	396.16	399.21	3.05	2.0		ROD 146	
		141	399.21	402.26	3.05	1.25		ROD 147	
		142	402.26	405.31	3.05	2.0		ROD 148	
6:00		143	405.31	408.36	3.05	0.6		ROD 149	
TOTAL							Percentage Recovered		%

Comments:

Mud Used

Tunnel Gel

Polymer 11

Soda Ash \_\_\_\_\_

Agua Gel

66

Parts and Supplies

Rod Grease \_\_\_\_\_

Cutting Oil \_\_\_\_\_

Other (Specify) \_\_\_\_\_

NO Sag

14

1/2-Tunnel  
 3- aqua  
 6- nosag  
 50 is

# DOSECC DRILLERS LOG

LOCATION NJ/margin

Hole # Mat-1

DAY

AM

AM

Angle -90°

Date 5-13-09

Shift Started 6 ENDED 6

Rig # CS4002

NIGHT

PM

PM

Job # \_\_\_\_\_

DRILLER SLAUN, JAY, JESS

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Site Safety check						
		144	408.36	411.41	3.05	2.76	Hard Sand	ROD 150	
		145	411.41	414.46	3.05	3.16	Hard Sand	ROD 151	
		146	414.46	417.51	3.05	3.10	Hard Sand	ROD 152	
		147	417.51	420.56	3.05	3.07	Hard Sand	ROD 153	
		148	420.56	423.61	3.05	3.07	Hard Sand	ROD 154	
		149	423.61	426.66	3.05	3.12	Hard Sand	ROD 155	
		150	426.66	429.71	3.05	3.10	Hard Sand	ROD 156	
		151	429.71	432.76	3.05	3.07	Hard Sand	ROD 157	
		152	432.76	435.81	3.05	3.08	Hard Sand	ROD 158	
6:00		153	435.81					ROD 159	
TOTAL							Percentage Recovered		%

Comments: 32 AQUA, 9 SAG, 9 Tunnel,  
12791676 (3) Bean pump GSKT,

Mud Used Tunnel Gel 9  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) AQUA gel-32

Parts and Supplies  
2) EXN ALN Liner Plug Orings

no Sag-9  
quartz-3

NIGHT

PM

PM

Job #

CS4002

DRILLER

Shawn Taylor, JESS

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site Safety checks						
		144	408.36	411.41	3.05	2.76	HARD SAND	R00150	
		145	411.41	414.46	3.05	3.16	HARD SAND	R00151	
		146	414.46	417.51	3.05	3.16	HARD SAND	R00152	
		147	417.51	420.56	3.05	3.07	HARD SAND	R00153	
		148	420.56	423.61	3.05	3.07	HARD SAND	R00154	
		149	423.61	426.66	3.05	3.12	HARD SAND	R00155	
		150	426.66	429.71	3.05	3.10	HARD SAND	R00156	
		151	429.71	432.76	3.05	3.07	HARD SAND	R00157	
		152	432.76	435.81	3.05	3.08	HARD SAND	R00158	
600		153	435.81	Drilling				R00159	
TOTAL							Percentage Recovered		%

Comments: 32 AQUA, 9 SAG, 9 tunnel,  
 12791676 + 3) Bean pump GSKT,

Mud Used (Tunnel) Gel 9  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) AQUA gel-32

Parts and Supplies

2) EXN ALN Liner Plug Orings

2 small clocks  
 2 galls. dewatering

Client Approval

DOSECC Approval

# DOSECC DRILLERS LOG

LOCATION NJ Margin

Hole # \_\_\_\_\_

Angle 90°

DAY \_\_\_\_\_

AM \_\_\_\_\_

AM \_\_\_\_\_

Date 5/13/09

Shift Started 6:00

ENDED 6:00

Rig # CS-4002

**NIGHT**

PM \_\_\_\_\_

PM \_\_\_\_\_

Job # \_\_\_\_\_

DRILLER Jesús / Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pushed inspection						
6:30		153	436.81	438.86	3.05	3.26		ROD 159	
		154	438.86	441.91	3.05	2.28		ROD 160	
		155	441.91	444.96	3.05	3.03		ROD 161	
		156	444.96	448.01	3.05	3.14		ROD 162	
		157	448.01	451.06	3.05	3.32		ROD 163	
		158	451.06	454.11	3.05	2.55		ROD 164	
		159	454.11	457.16	3.05	3.40		ROD 165	
		160	457.16	460.21	3.05	2.65		ROD 166	
4:20		161	460.21	463.26	3.05	3.42		ROD 167	
			Start to trip out						
		162	463.26	466.31	3.05	1.13		ROD 168	
			Start to trip out						
TOTAL							Percentage Recovered	%	

**Comments:**

Wireline being replaced 0110 - 0125 14 May 2009

Mud Used

Gel \_\_\_\_\_

Polymer \_\_\_\_\_

Solids \_\_\_\_\_

Rod Grease \_\_\_\_\_

Cutting Oil \_\_\_\_\_

Other (Specify) \_\_\_\_\_

# DOSECC DRILLERS LOG

LOCATION NJ/margin

Hole # Mat-1

DAY

AM

Angle -90°

Date 5-14-08

Shift Started 6

ENDED 6

Rig # CS 402

NIGHT

PM

Job # \_\_\_\_\_

DRILLER Shawn Jess Jay

10'↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
		<del>762</del>	<del>466.26</del>	<del>466.31</del>	<del>3.05</del>	<del>1.73</del>		<del>768</del>	
		163	466.31					169	
6:30	9:00								
9:00	12:00								
12:00	12:30								
12:30	6:00								
TOTAL								Percentage Recovered	%

**Comments:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Mud Used**

Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) Tilburn-6

**Parts and Supplies**

2 stabilizer rings only (1) left!!

## DOSECC DRILLERS LOG

LOCATION NT Margin

Hole # Ma1-1

DAY

AM

AM

Angle -90°

Shift Started 6

ENDED 6

Date 5-14-04

NIGHT

PM

PM

Rig # CS4002

Job # \_\_\_\_\_

DRILLER Terri/Dave Kyle

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Ream / inspection						
6:30			Ream / lost 90.17						
	8:00								
	8:00	163	466.31	469.36	3.05	3.45		169	
		164	469.36	472.41	3.05	2.41		170	Slip Core
		165	472.41	475.46	3.05	3.4		171	
		166	475.46	478.51	3.05	3.06		172	
		167	478.51	481.56	3.05	3.11		173	
		168	481.56	484.61	3.05	3.04		174	
		169	484.61	487.66	3.05	3.09		175	
		170	487.66	489.39	1.73	1.21			
		171	489.39	492.44	3.05	3.05		176	
		172	492.44	493.09	.60	0.69		177	
TOTAL							Percentage Recovered		%

Comments: When all the 20' Journals are in it will put you on bottom with a 0' stick up, no tool down

Mud Used

Gel \_\_\_\_\_

Polymer \_\_\_\_\_

Soda Ash \_\_\_\_\_

TIC Gum 2 bags

Rod Grease \_\_\_\_\_

Cutting Oil \_\_\_\_\_

Other (Specify) \_\_\_\_\_

Parts and Supplies

REPLACED STABILIZER RING IN BIT  
3 CORE CATCHERS

177J  
493.76  
0.67↑

# DOSECC DRILLERS LOG

LOCATION NJ / Margin

Shift Started 6 AM ENDED 6 AM

NIGHT \_\_\_\_\_ PM \_\_\_\_\_

DRILLER Shaun, Jess, Jay

Hole # Mat-1

Angle -90°

Date 5-15-09

Rig # CS4002

Job # \_\_\_\_\_

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & safety check						
630	730	173	493.09	493.76	0.67	0.78	green sandstone	Rod 177	(AIN)
730	830	TT	circulate & Trip tube						
830	930	174	493.76	496.81	3.05	3.12		Rod 178	(AIN)
930	1030	TT	circulate & Trip tube						
1030	1100	175	496.81	499.86	3.05	3.43		Rod 179	(AIN)
1100	1200	TT	circulate & Trip tube						
1200	230	176	499.86	502.91	3.05	2.97		Rod 180	(AIN)
230	130	TT	circulate & Trip Tube						
130	235	177	502.91	505.96	3.05	3.47		Rod 181	(AIN)
235	315	TT	circulate & Trip tube						
315	430	178	505.96	506.64	0.68	0.78		Rod 182	(extended)
430	500	TT	circulate & trip tube						
500	530	179	506.64	509.01	2.37	2.50		Rod 182	(AIN)
530	600	TT	circulate & Trip tube						
TOTAL					15.92		Percentage Recovered	%	

Comments: 10 TIC Gum

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Mud Used      Gel \_\_\_\_\_      Rod Grease \_\_\_\_\_

                  Polymer \_\_\_\_\_      Cutting Oil \_\_\_\_\_

                  Soda Ash \_\_\_\_\_      Other (Specify) Tic gum-10

Parts and Supplies

(Almost out of personal safety commitment sheets!!)

(liner plug o-ring #470-113)



# DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # 10011

Angle -90°

DAY \_\_\_\_\_ AM \_\_\_\_\_ AM

Date 5-15-09

Shift Started 6 ENDED 6

Rig # CS4002

NIGHT \_\_\_\_\_ PM \_\_\_\_\_ PM

Job # \_\_\_\_\_

DRILLER Jesus/Dave Kyle

10' ↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pre-shift inspection				ROD#		
6:30		180	512.01	512.06	3.05	2.09	183	Rod 183 stuck tube	
		181	512.06	512.11	.55	1.97	<del>183</del>	work tube 1hr.	
		182	512.11	515.11	2.50	.02	184	Bad core out work in tube free	
			Slip Core (Bad P.T)						
		183	515.11	516.8	1.69	3.4			
		184	516.8	519.5	2.02	2.2	185		
		185	519.5	521.31	1.69	1.45	186		
		186	521.31	524.26	3.05	3.32	187	Slip Core	
		187	524.26	527.11	2.85	3.44	188		
TOTAL							Percentage Recovered		%

**Comments:**

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Mud Used  
 Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

Parts and Supplies GVAR GUM 6

4/100

# DOSECC DRILLERS LOG

LOCATION NI / Margin

Hole # Mat-1

(DAY)

(AM)

AM

Angle 90°

Date 5-16-09

Shift Started 6

ENDED 6

Rig # CS4002

NIGHT

PM

(PM)

Job # \_\_\_\_\_

DRILLER Shawn Jess Jay

3.25↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety check						
630	715	188	527.11	530.36	3.25	3.05	Sandstone	Rod 188 & 189	
715	815	TT	Circulate & Trip tube						
815	900	189	530.36	533.91	3.05	3.24		Rod 190	
900	1015	TT	E circulate & Trip tube						
1015	1045	190	532.41	536.46	3.05	3.05		Rod 191	
1045	1200	TT	Circulate & Trip Tube						
1200	1230	191	536.46	539.51	3.05	2.75		Rod 192	
1230	145	TT	Circulate & Trip Tube			2.37			
145	215	192	539.51	542.56	3.05	2.98		Rod 193	
215	315	TT	Circulate & Trip Tube						
315	345	193	542.56	545.61	3.05	3.07		Rod 194 (Black Beauty)	
345	445	TT	Circulate & Trip tube						
445	515	194	545.61	548.66	3.05	(?)		Rod 195 (slotted core)	
515		TT	Circulate & Trip tube						
		195	548.66					Rod 196	
TOTAL					21.55		Percentage Recovered	%	

Comments:

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Mud Used

CMAR 14  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_

Cutting Oil \_\_\_\_\_

Other (Specify) Salt Water / Alum

Parts and Supplies

(2) Zipties

# DOSECC DRILLERS LOG

LOCATION NT/margin

Hole # Mat-1

DAY \_\_\_\_\_ AM AM

Angle -90°

Shift Started 6 ENDED 6

Date 5-16-09

NIGHT PM PM

Rlg # LS4002

Job # \_\_\_\_\_

DRILLER Jessi/Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pachit inspection						
			Try to recover slip core						
		195	548.16	548.76	0.10	0.97		Rod 196	
		196	548.76	549.84	1.08	0.83		Rod 196	
		197	549.84	551.71	1.87	2.2		Rod 197	
		198	551.71	554.76	3.05	3.05		Rod 197	
		199	554.76	557.81	3.05	3.25		Rod 198	
		200	557.81	560.86	3.05	3.13		Rod 199	
		201	560.86	563.91	3.05	3.37		Rod 200	
		202	563.91	566.96	3.05	3.48		Rod 201	
		203	566.96	570.01	3.05	3.29		Rod 202	
TOTAL							Percentage Recovered		%

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mud Used  
 Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) B LVAR GUM

Parts and Supplies \_\_\_\_\_  
 \_\_\_\_\_

# DOSECC DRILLERS LOG

LOCATION NJ / margin

Hole # Mut-1

DAY

AM

AM

Angle -91°

Shift Started 6 ENDED 6

Date 5-17-09

NIGHT

PM

PM

Rig # 154007

Job # \_\_\_\_\_

DRILLER Shawn, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Site & Safety check						
6:30		204	570.01	573.06	3.05	3.03		Rod 203	
		205	573.06	576.11	3.05	3.12		Rod 204	
		206	576.11	579.16	3.05	3.10		Rod 205	
		207	579.16	582.21	3.05	3.10		Rod 206	
		208	582.21	585.26	3.05	2.91		Rod 207	
		209	585.26	588.31	3.05	3.28		Rod 208	
		210	588.31	591.36	3.05	3.02	302	Rod 209	
		211	591.36					Rod 210	
<b>TOTAL</b>							<b>Percentage Recovered</b>	<b>%</b>	

Comments:

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Mud Used

Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease

Cutting Oil \_\_\_\_\_  
 Other (Specify) Tilgum-8

Parts and Supplies

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# DOSECC DRILLERS LOG

LOCATION NS/Margin

Hole # MAK-1B

DAY \_\_\_\_\_ AM (AM)

Angle -90°

Shift Started 6 ENDED 6

Date 5-17-09

(NIGHT) \_\_\_\_\_ (PM) \_\_\_\_\_ PM

Rig # CS4002

Job # \_\_\_\_\_

DRILLER Jesús/Kyle Dave

Tube 10' ↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Per bit inspection						
		211	591.36	594.41	3.05	2.6		ROD 210	
		212	594.41	597.46	3.05	3.47		ROD 211	
		213	597.46	600.51	3.05	3.05	ROD 212	15 min down	
		214	600.51	603.56	3.05	1.5	ROD 213	time to work Bit	
		215	603.56	606.61	3.05	2.81	ROD 214		
		216	606.61	609.66	3.05	.55	ROD 215		
TOTAL							Percentage Recovered		%

**Comments:**  
19:10-19:30 Head tank oil checked and topped up.

Mud Used: Gel \_\_\_\_\_ Rod Grease \_\_\_\_\_  
 Polymer \_\_\_\_\_ Cutting Oil \_\_\_\_\_  
 Soda Ash \_\_\_\_\_ Other (Specify) 7 LWAR GRM

Parts and Supplies  
1 Roll DUCT TAPE

# DOSECC DRILLERS LOG

LOCATION NJ Margin

Hole # Mar-1

**DAY**

AM AM

Angle 90°

Shift Started 6 ENDED 6

Date 5/18/09

NIGHT PM PM

Rig # CS4002

Job # \_\_\_\_\_

DRILLER Shawn, Jess, Jess

Tube ↓ 10↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630								
630		217	609.60	612.71	3.05	3.12		ROD 216	
		218	612.71	615.76	3.05	2.72 2.56		ROD 217	
		219	615.76	618.81	3.05	2.56 3.28		ROD 218	
		220	618.81	621.86	3.05	3.28 2.0		ROD 219	
		221	621.86	623.45	1.59	2.93		ROD 220	
600		222	623.45	-	Killing			ROD 220	
<b>TOTAL</b>							<b>Percentage Recovered</b>	<b>%</b>	

Comments: A. + # 9A4960

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Mud Used GMAR 13  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

Parts and Supplies  
(3) Simple Green 1gal (4) rolls Electrical Tape, B. + # 9A4960, 1 stabilizer ring ALN, 1 tube grease

# DOSECC DRILLERS LOG

LOCATION NE Margin

Hole # Mar-1

DAY \_\_\_\_\_ AM \_\_\_\_\_ AM \_\_\_\_\_

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 5/14/09

NIGHT \_\_\_\_\_ PM \_\_\_\_\_ PM \_\_\_\_\_

Rig # CJ-4002

Job # \_\_\_\_\_

DRILLER Jesus/Kyle Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Preshift Inspection						
6:00		222	623.5	624.9	1.4	1.54		ROD 220	
		223	624.9	627.86	2.05	2.67		ROD 221	
		224	627.96	631.01	3.05	3.20		ROD 222	
	2:30	225	631.01	634.06	3.05	0		ROD 223 slip case	
2:30			Problems with Hole Card g-t						
			6:00 Tube down try to fine out the problem						
TOTAL							Percentage Recovered		%

**Comments:**

0010 Barrel jammed near top string. 0030 Running pipe stands to identify problem rod or other issue causing blockage in pipe.

Mud Used  
 Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Rod Grease \_\_\_\_\_  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) 4 COVAR GRIM

**Parts and Supplies**

Replaced 2 ALN Core springs

# DOSECC DRILLERS LOG

LOCATION NT/Margin

Hole # Mut-1

DAY

AM

AM

Angle -40°

Shift Started 6 ENDED 6

Date 5-18-09

NIGHT

PM

PM

Rig # CS 4002

Job # \_\_\_\_\_

DRILLER Shawn, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
6:30	8:15								
8:15	9:00								
9:00	9:30								
9:30	5:00								
5:00	6:00								
TOTAL							Percentage Recovered		%

Comments: Did Full service on rig except of water separator and Anti-Freeze Filter and main elements on HWP.

Mud Used      Gel \_\_\_\_\_      Rod Grease \_\_\_\_\_  
                   Polymer \_\_\_\_\_      Cutting Oil \_\_\_\_\_  
                   Soda Ash \_\_\_\_\_      Other (Specify) \_\_\_\_\_

Parts and Supplies  
Filter Head 1551, 1759 Hydro Filter, 1748XD Engine oil Filter, 3793 H<sub>2</sub>O separator, Filter 533697, Hydro Filter 05, 0076



# DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MAR-1

DAY \_\_\_\_\_ AM \_\_\_\_\_ AM

Angle 90°

Shift Started 6 ENDED 6

Date 5/19/09

**NIGHT** \_\_\_\_\_ PM \_\_\_\_\_ PM

Rig # CS-4002

Job # \_\_\_\_\_

DRILLER Jesus A. Nigueron / Kyle Davc

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pre-shift Inspection						
6:30	6:00		Survey Hole						
<b>TOTAL</b>					6				
							Percentage Recovered		%

Comments UT 94104  
UT 94104  
UT

Mud Used Gel Duro-Lite  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

Parts and Supplies \_\_\_\_\_

# DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # Mat-1

Angle -90°

**DAY**

**AM**

AM

Date 5-20-09

Shift Started 6

ENDED 6

Rig # CS4002

**NIGHT**

PM

**PM**

Job # \_\_\_\_\_

DRILLER Shawn Jers Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site and Rig check						
630	330		log hole						
330	430		Trip Back to 195m					37 stands	
430	600		log hole						
<b>TOTAL</b>							<b>Percentage Recovered</b>	<b>%</b>	

**Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Mud Used**

Gel _____	Rod Grease _____
Polymer _____	Cutting Oil _____
Soda Ash _____	Other (Specify) _____

**Parts and Supplies**  
 \_\_\_\_\_  
 \_\_\_\_\_





# DOSECC DRILLERS LOG

LOCATION N.J. MARGIN

Hole # \_\_\_\_\_

DAY \_\_\_\_\_ AM \_\_\_\_\_ AM \_\_\_\_\_

Angle 90°

Shift Started 6 ENDED 6

Date 5/21/09

**NIGHT** \_\_\_\_\_ PM \_\_\_\_\_ PM \_\_\_\_\_

Rig # CS-4002

Job # \_\_\_\_\_

DRILLER Jesús / Dave Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	8:00		Survey	Hole					
8:00	10:30		work on	Belt / use the			core to pull		
	10:30		Rods	<del>to pull</del>			(NO GO)		
10:30	6:00		wait on	new Belt					
TOTAL							Percentage Recovered		%

**Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Mud Used**  
 Gel \_\_\_\_\_  
 Polymer \_\_\_\_\_  
 Soda Ash \_\_\_\_\_

**Rod Grease**  
 Cutting Oil \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

**Parts and Supplies**  
 \_\_\_\_\_  
 \_\_\_\_\_

# DOSECC DRILLERS LOG

3.05  
1.23  
4.28



LOCATION NS/Margin

Hole # NA-1

71 rods  
3' ↑

Angle -90°

DAY

AM

AM

Date 5-22-09

Shift Started 6

ENDED 6

Rig # CS4002

NIGHT

PM

PM

Job # \_\_\_\_\_

DRILLER

Shawn, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety Check						
630	830		Standby for parts						
830	1000		Work stuck pipe, full off core 1-20' / 1-10' / 4.28m ↑						
1000	600		<del>Run this in HQ with</del> letter to cut off barrel, Trip out HQ; Trip out PC, look up to casing						
<b>TOTAL</b>							Percentage Recovered		%

Comments: \_\_\_\_\_ 17  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mud Used      Gel \_\_\_\_\_      Rod Grease  
                   Polymer \_\_\_\_\_      Cutting Oil \_\_\_\_\_  
                   Soda Ash \_\_\_\_\_      Other (Specify) gear - 2

Parts and Supplies  
 \_\_\_\_\_  
 \_\_\_\_\_

# DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # \_\_\_\_\_

DAY \_\_\_\_\_ AM (AM)

Angle 90°

Shift Started 6 ENDED 6

Date 5/22/09

(NIGHT) (PM) PM

Rig # CS-4002

Job # \_\_\_\_\_

DRILLER Jesui / Dave Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pestoff Inspection						
6:30	9:00		Trip <del>to</del> casing						
9:00	10:00		Rig Down						
10:00	- - -		Move to new site						
TOTAL							Percentage Recovered	%	

Comments:

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Mud Used    Gel \_\_\_\_\_    Rod Grease \_\_\_\_\_  
                  Polymer \_\_\_\_\_    Cutting Oil \_\_\_\_\_  
                  Soda Ash \_\_\_\_\_    Other (Specify) \_\_\_\_\_

Parts and Supplies

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