

IODP Expedition 313, New Jersey Shallow Shelf

Drillers Log

Site 313-M0028A

DOSECC

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

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www.dosecc.org

5.64
 - 2.22 ↑ on Rod 17
 56.35

DOSECC DRILLERS LOG

LOCATION NT/Margin

Hole # MAJ-2

Shift Started 6 AM ENDED 6 AM
 NIGHT PM

Angle -96°

Date 5-24-09

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		Site & Safety Check						
6:30	1:00		Set below at slick / 1.44 x 6 sub / 45.12 at butrise						
1:00	2:30		Trip in core barrel and (VLA) and tag @ 5413						
2:30		17	0	1.68	1.68	(NCA)			
		18/19	1.68	7.78	6.10	---			
		20/21	7.78	13.88	6.10	---			
		22/23	13.88	19.98	6.10	---			
	6:00	24/25	19.98	26.08	6.10	---			
TOTAL							Percentage Recovered		%

Comments: (BHA From top of head = 54.67)
 (Casing in hole = 52.86M)
 (Top of casing to top of head = 1.81)

Mud Used: 14 Gel _____ Polymer _____ Soda Ash _____
 Rod Grease _____ Cutting Oil _____ Other (Specify) qual-2

Parts and Supplies
 Put together core barrel w/ new bit & new reamer No.?
 (1) Diesel Trash Pump Air Filter (Part # 5042600)

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MAT-2

DAY _____ AM _____ AM

Angle 90°

Shift Started 6 ENDED 6

Date 2-24-09

NIGHT _____ PM _____ PM

Rig # CS-4002

Job # _____

DRILLER Jesus / Dave Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30	24/27	26.08	32.18	6.10	---	NCA		
6:30		28/29	32.18	38.28	6.10	---			
		30/31	38.28	44.38	6.10	---			
		32/33	44.38	50.48	6.10	---			
		34/35	50.48	56.58	6.10	---			
		36/37	56.58	62.68	6.10	---			
		38/39	62.68	68.78	6.10	---			
		40/41	68.78	74.88	6.10	---			
		42/43	74.88	80.98	6.10	---			
		44/45	80.98	87.08	6.10	---			
		46/47	87.08	93.18	6.10	---			
		48/49	93.18	99.28	6.10	---			
		50/51	99.28	102.38	6.10	---			
	3:00								
8:00	5:00								
5:00	6:00								
TOTAL							Percentage Recovered	%	

Comments:

Mud Used

Gel TIC GUM - 10 Bags (GUAR) Rod Grease _____
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ / Margin

Hole # Mat-2

Angle -90°

DAY

AM

AM

Date 5-25-09

Shift Started 6

ENDED 6

Rig # CS4002

NIGHT

PM

PM

Job # _____

DRILLER Shawn, Jess, Jay

TIME		CORE RUN #	DEPTH		FOOTAGE USED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630	Run #	Sited	safety check					
630	830	V	Wash	& Run to bottom, change mud back to (2-gel/4-quan)					
830		52/53	102.38	108.48	6.10	- - - -	NCA		
		54/55	108.48	114.58	6.10	- - - -			
		56/57	114.58	120.68	6.10	- - - -			
		58/59	120.68	126.78	6.10	- - - -			
		60/61	126.78	132.88	6.10	- - - -			
		62/63	132.88	138.98	6.10	- - - -			
		64/65	138.98	145.08	6.10	- - - -			
		66/67	145.08	151.18	6.10	- - - -			
	245	68/69	151.18	157.28	6.10	- - - -			
245	300	lower	boat	10'	So rec'd rod # 69				
300		69	157.28	160.33	3.05	- - - -			
		70/71	160.33	166.43	6.10	- - - -			
		72/73	166.43	172.53	6.10	- - - -			
	530	74/75	172.53	178.63	6.10	- - - -		hit clay @ 177.56m	
530	600	Pull	NCA	and	drop ALN				
TOTAL					76.25		Percentage Recovered	%	

Comments: (Put 2 ALN assemblies together) 1 New Stabilizer (470-118), 1- New core string
1- new bit #9A 5088, starting Fluid, W/O-40,
ALN INTO HOLE 1458

Mud Used

Tunnel
 Gel - 68
 Polymer _____
 Soda Ash _____

Rod Grease

Cutting Oil _____
 Other (Specify) Grease - 4

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MAT-2

(DAY) (AM) AM

Angle 90°

Shift Started 6 ENDED 6

Date 5-26-09

NIGHT (PM) PM

Rig # CS 4002

DRILLER Shawn, Jess, Jay

Job # 178.63

Drilling Rod 76/77

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site	Safety check					
630		76/77	78.63	184.73	6.10	---	NCA		
		78/79	184.73	190.83	6.10	---			
		80/81	190.83	196.93	6.10	---			
		82/83	196.93	203.03	6.10	---			
		84/85	203.03	209.13	6.10	---			
		86/87	209.13	215.23	6.10	---			
	1215	88/89	215.23	218.28	3.05			hit clay @ 216m	
1215	130		Thicken mud up to 6000 and pump it around						
130		1	218.28	221.33	3.05	0	(ALN)	Rod # 89	
		2	221.33	224.38	3.05	3.41		Rod # 90	
	600	3	224.38	227.43	3.05	3.32		Rod # 91	
		4	227.43					Rod # 92	
TOTAL							Percentage Recovered		%

Comments: NOTE FOR DRILLER. MAJOR BACKFLOW IN PREVIOUS HOLE @ 225m depth
(Coastguard flew by at 7:00am)

Mud Used Gel 62 Rod Grease EZ Mud - 5
 SAG Behavior 1 Cutting Oil _____
 Soda Ash _____ Other (Specify) GUAR - 4

Parts and Supplies
Trash Bags (45 gal) (2) Allen Core Lid for Baskets

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # Mat-2

Angle -90°

DAY _____ AM (AM)

Date 5-26-09

Shift Started 6 ENDED 6

Rig # CS4002

(NIGHT) _____ (PM) _____ PM

Job # _____

DRILLER Jesui/Dave Steve

10' ↑ Tube ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		<u>Recovery Inspection</u>						
6:30		4	227.43	230.48	3.05	3.37	ROD#92		
		5	230.48	233.53	3.05	3.12	ROD#93		
		6	233.53	236.58	3.05	3.45	ROD#94		
		7	236.58	239.63	3.05	3.21	ROD#95		
		8	239.63	242.68	3.05	3.21	ROD#96		
		9	242.68	245.73	3.05	2.32	ROD#97		
		10	245.73	248.78	3.05	3.21	ROD#98		
		11	248.78	251.83	3.05	3.42	ROD#99		
		12	251.83	253.28	1.45	1.34	Sand Clay B. # 9A 4951		
		13	253.28	254.88	1.6	0	ROD100 Sand		
		14	254.88	257.93	3.05	1.09	ROD101 Sand		
			<u>Condition 110/e</u>						
		15	257.93	260.98	3.05	1.28	ROD#102		
TOTAL							Percentage Recovered	%	

Comments:

Mud Used 1 Gel 45
 Polymer _____
 Soda Ash 4
CC Mud 300-5

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ Margin

Hole # MAT-2

DAY

AM

AM

Angle 90°

Shift Started 6 ENDED 6

Date 5-27-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER SHAUN, JAY, JESS

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Size & Safety check						
630		16	260.98	264.03	3.05	2.70	ROD 103		
		17	264.03				ROD 104		
630	800		Pumped down tube & hole casing in. Can't Pump						
800	1000		Work & run back 30' all at bottom. P.P. Free, broke circ.						
1000			Wash & condition hole before pulling out (CALN)						
	1100		All sand in						
1100	200		Trip out, Rocker on bad spots						
200	500		Trip out casing to take out window & shoe						
500	600		Build a reamer on end of casing						
TOTAL							Percentage Recovered		%

Comments:

Mud Used

Gel _____
 Polyper _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MAT-2
 Angle 90
 Date 05/28/09
 Rig # CS 4002
 Job # _____

(DAY) Shift Started 6:00 (AM) ENDED 6:00 AM
 NIGHT _____ PM (PM)

DRILLER SHAUN, JAY, JESS

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Side & Safety check						
6:30	6:00		Drill in casing						
							9-long bits 1-short bit 1-x/o 5-slick		
TOTAL							Percentage Recovered		%

Comments: using straight guar @ 90vis,

Mud Used
 Gel _____
 Polymer 15 _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NW Margin

Hole # MAT-2

Angle -90°

Date 5/30/09

Rig # CS41002

Job # _____

DAY

AM

AM

SHR Started 6

ENDED 6

NIGHT

PM

PM

DRILLER Jesus, Dave, Steve

TIME	CORRECTION	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity/Purpose / Bits	Materials
		FROM	TO					
6:30							Roam in hole	
7:38							Pull (NCA) to Drop (ALN)	
8:25							Pump down (ALN)	
9:40		17	262.72	265.77	3.05	0.15		ROD # 97-98-63-64-
		18	265.77	269.02	3.05	1.05		ROD # 99-67-68-69-70-
9:45							Holeaving in Pull Back 50'	71-72-73-74-75-76-
10:22							Condition Hole Roam down 10'	77-78-79-80-81-82-
11:10							Pump down (ALN)	83-84-85-86-87-88-
12:05							Pump Back to Bottom	ROD # 901 92-94-
		19	269.82	271.87	3.05	1.60		ROD # 103
		20	271.87	274.52	2.65	0.60		ROD # 104
		21	274.52	277.97	3.45	2.4		ROD # 105
		22	277.97	281.02	3.05	3.05		ROD # 106
		23	281.02	284.07	3.05	1.40		ROD # 107
TOTAL					25.55	10.35	Percentage Recovered	%

Comments:

Mud Used

Get _____

Polymer _____

Soda Ash _____

Rod Grease _____

Cutting Oil _____

Other (Specify) _____

Parts and Supplies

TIC Gum - 9

2.05

DOSECC DRILLERS LOG

LOCATION NET MARGIN

Hole # MAT-2

(DAY)

(AM)

AM

Shift Started 6 ENDED 6

Angle 90°

Date 5-30-09

Rig # CS-4002

NIGHT

PM

(PM)

Job # _____

DRILLER Shann, Jess Jay

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
		24	284.07	286.78	2.71	1.37		ROD # 108	.35 ↑ 287.12
		25	286.78	288.12	1.34	1.38		ROD # 109	2.05 ↑ 290.17
		26	288.12	290.17	2.05	0		ROD # 109	
		27	290.17	293.22	3.05	3.36		ROD # 110	
		28	293.22	296.27	3.05	0		ROD # 111	
		29	296.27	297.13	0.86	3.44		ROD # 112	
		30	297.13	299.32	2.19	2.10		ROD # 112	2.14
		31	299.32	302.37	3.05	3.17		ROD # 113	
		32	302.37					ROD # 114	
TOTAL					18.3	14.83	Percentage Recovered	%	

Comments:

Mud Used

Gel _____
Polymer _____
Soda Ash _____

Rod Grease _____
Cutting Oil _____
Other (Specify) 15-Guar

Parts and Supplies

Core Springs - 2 (3) A/W Spring Basket #10 Part # 470-408-0.010

15 GUAR GUM

DOSECC DRILLERS LOG

LOCATION NET MARGIN

Hole # MAT-2

DAY _____ AM _____ AM _____

Angle 90°

Shift Started 6 ENDED 6

Date 5-30-09

NIGHT _____ PM _____ PM _____

Rig # CS-4002

Job # _____

DRILLER Jesus / Dave Steve

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		32	302.37	305.42	3.05	3.0		Rod # 114	
		33	305.42	308.47	3.05	3.1		Rod # 115	
		34	308.47	311.52	3.05	3.0		Rod # 116	
		35	311.52	314.57	3.05	2.50		Rod # 117	
		36	314.57	317.62	3.05	0.32		Rod # 118	
		37	317.62	320.67	3.05	3.1		Rod # 119	
1:45	2:30		Change oil on Head						
	6:00	38	320.67	323.72	3.05	3.25		Rod # 120	
TOTAL					21.35	18.27	Percentage Recovered		%

Comments: _____

Mud Used Gel _____ Rod Grease _____
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) 10 GUM

Parts and Supplies _____

1.15
3.05
4.20

DOSECC DRILLERS LOG

LOCATION NET MARGIN

Hole # MAT-2

DAY

AM

AM

Angle 90°

Shift Started 6 ENDED 6

Date 5-31-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER Sean, Jay, Jess

10' Tube ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety check						
		39	323.72	326.77	3.05	3.15		ROD#121	
		40	326.77	329.82	3.05	3.05		ROD#122	
		41	329.82	332.87	3.05	2.69		ROD#123	
		42	332.87	335.92	3.05	0.92		ROD#124	
		43	335.92	337.01	1.09	0.35		ROD#125	
	1200	44	337.01	338.97	1.96			ROD#125	1.96
		45	338.97					ROD#126	
1200	130		got stuck AMP in tube tip back 60', pull tube out, condition hole, tag fill @ 4' from bottom, wash & Ream in, bit something hard @ 334.77, pump down Allen to pull out						
	330		Pull Allen,						
330	530		P.O. on H, bit & Reamer twisted off down hole off core barrel						
530	600		Put together barrel						
TOTAL							Percentage Recovered		%

Concrete 65-20' on slope before tiling

Used Used GMAR 16
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies 2 pk
24 pack of AAA Batteries, #10 Allen Basket (one life sponge) Ave. PolyGel/Wash

DOSECC DRILLERS LOG

LOCATION NJ / Morgan

Hole # Mat -

Angle -90°

DAY _____ AM (AM)

Date 5-31-09

Shift Started 6 ENDED 6

Rig # CS4002

(NIGHT) _____ (PM) _____ PM

Job # _____

DRILLER JENS, Dave stue

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	8:26		Build Reaming Rod						
8:20	8:50		Trip in rod with Pev & Spear						
8:50			Hit Fall @ Rod 24 Start to Wash down Rod Slow						
	6:00		washed down to rod 79						
TOTAL							Percentage Recovered		%

Comments: Bottom of Hole @ 338.97 (125 rods). bit & Reamer @ 334.77 (Rod 124) with a 1.15 stick up.

Mud Used
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies TIC GUM 13

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # Mt-2

DAY

AM

Angle -90°

Shift Started 6 ENDED 6 AM

Date 6-1-09

NIGHT PM

Rig # CS4002

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	↓					
630	1230		Wash	↓					Rod # 80-81-82-83
1230	300		Trip	out					tight hole from 243 M to 149 M
300			Trip	in					core barrel w/ impreg bit hit bridge @ 249 M
			Change	over					mud to gel (Mix 2 bgs. + 1 mcl / 4 lbs guar)
			Run	to					rod 38 (58, 77)
TOTAL								Percentage Recovered	%

Comments: Continue washing/reaming with spear per client request. MTG held at 1030 am to discuss fishing operation. Per client request will continue with spear rather than trip in impreg bit to drill out. 1230pm (Rods were stuck) decision from client to abandon fish and run in impreg to drill out stuck bit and reamer.

Mud Used: Tanel Gel 20
 Guare Polymer 17
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

1 M 1

DOSECC DRILLERS LOG

LOCATION NJ / Margin

Hole # Mat-2

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

Angle -90°

Date 6-1-09

Rig # C54002

Job # _____

DRILLER Leslie/Dave Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00									
	7:40								
7:15	8:05								
8:05									
	12:25								
12:25	12:57								
12:57									
	4:56								
4:56	5:10								
5:10									
	6:00								
TOTAL							Percentage Recovered		%

Comments: _____

Mud Used T Gel 66
 Guar Polymer 10
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies _____

DOSECC DRILLERS LOG

LOCATION NJ / Margin

Hole # M04-2

DAY _____ AM _____ (AM) _____

Angle -90°

Shift Started 6 ENDED 6

Date 6-2-09

(NIGHT) _____ (PM) _____ PM _____

Rig # CS4002

Job # _____

DRILLER Leslie / Dave Steve

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			Ream in with NCA					rod # 108-109	
	12:40		Reamed down to rod 122					Pull (NCA)	
R	12:50		Drop (ALN)						
			Start Coring						
1:08			Start Coring with ALN on rod 122						
		45	327.9	331.3	3.4	3.4		1.48 on rod 123	
		46	331.3	332.9	1.57	1.4		end of rod 123	
		47	332.87	335.92	3.05	3.05		rod 124	
	6:00	48	335.92					Drilling Rod 125	
TOTAL							Percentage Recovered		%

Comments: 1.48m down on rod 123 stopped coring - barrel full.

Mud Used Tunnel Gel 525
 Polymer _____
 Soda Ash _____
 Parts and Supplies Tic Gum 6

Rod Grease _____
 Cutting Oil 10 GEAR
 Other (Specify) _____

DOSECC DRILLERS LOG

M0028A

LOCATION MT MARGIN

Hole # (MAT-2)

DAY

AM

AM

Shift Started 6 ENDED 6

Angle 90°

Date 6-3-09

NIGHT

PM

PM

Rig # CS-4002

Job # _____

DRILLER SHAUN, JESS, JAY

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		48	335.92	338.97	3.05	3.1		ROD# 125	
		49	338.97	342.02	3.05	2.2		126	
	10:00	50	342.02	345.07	3.05	0		127	
10:00			Sand zone keeps coming in on side and mud by the side.						
	11:00		and client to run (NCA) pack zone.						
11:00			Remain in hole Drill ROD # 127						
			with (NCA) circulate and						
			pull (NCA) to deep (AIN) at						
	1:00		Client request						
1:00		51	348.12	351.17	3.05	2.32		129	
		52	351.17	354.22	3.05	3.03		130	
		53	354.22					131	
TOTAL					15.25	7.62	Percentage Recovered		%

Comments: Keep drilling - a downhole bit sand zone keeps coming in
and client to run (NCA) pack zone
with (NCA) circulate and
pull (NCA) to deep (AIN) at
Client request

Mud Used Tan Gel 45
Polymer 15 GUAR
Soda Ash _____

Rod Grease _____
Cutting Oil _____
Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

M0028A

LOCATION NJ Margin

Hole # (MAT-2)

DAY _____ AM (AM)

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 6-3-09

(NIGHT) NIGHT _____ PM _____ PM

Rig # CS-4002

Job # _____

DRILLER Jesus, Kyle, Steve

105

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>10:00</u>			<u>Presplit</u>	<u>Inspection</u>					
		<u>53</u>	<u>354.22</u>	<u>357.27</u>	<u>3.05</u>	<u>1.21</u>		<u>Rod # 131</u>	
	<u>10:00</u>	<u>54</u>	<u>357.27</u>	<u>310.32</u>	<u>3.05</u>	<u>1.38</u>		<u>Rod # 132</u>	
<u>10:00</u>	<u>10:45</u>		<u>Condition Hole</u>						
		<u>55</u>	<u>360.32</u>	<u>363.37</u>	<u>3.05</u>	<u>1.4</u>		<u>Rod # 133</u>	
		<u>56</u>	<u>363.37</u>	<u>366.42</u>	<u>3.05</u>	<u>2.44</u>		<u>Rod # 134</u>	
		<u>57</u>	<u>366.42</u>	<u>369.47</u>	<u>3.05</u>	<u>1.81</u>		<u>Rod # 135</u>	
		<u>58</u>	<u>369.47</u>	<u>372.52</u>	<u>3.05</u>	<u>2.13</u>		<u>Rod # 136</u>	
		<u>59</u>	<u>372.52</u>	<u>375.57</u>	<u>3.05</u>	<u>.34</u>		<u>Rod # 137</u>	
TOTAL					<u>21.35</u>	<u>10.71</u>	Percentage Recovered	<u>1</u>	%

Comments: Fan Belt getting Ready to go!
By Client request use only Good to drill

Mud Used Apur Gel 4
Over Polymer 12
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

MOO28A

LOCATION NE MARGIN

Hole # (MAT-2)

DAY NIGHT AM PM

Angle 90°

Shift Started 6 ENDED 6

Date 6-4-09

DAY NIGHT AM PM

Rig # CS-4002

Job # _____

DRILLER SHAUN, JAY, JESS

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:30	6:30		Site	Safety check					
6:30		60	375.57	378.62	3.05	0.32		Rod # 138	
		61	378.62	381.67	3.05	1.87		Rod # 139	
		62	381.67	384.72	3.05	0		Rod # 140	
		63	384.72	387.77	3.05	2.95		Rod # 141	
		64	387.77	390.82	3.05	1.50		Rod # 142	
		65	390.82	393.87	3.05	2.98		Rod # 143	
		66	393.87	395.14	1.27			Rod # 144	1.78↑
TOTAL							Percentage Recovered	%	

Comments:

Mud Used Gel WAR 17
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

M0028A

LOCATION NET MARGIN

Hole # (MAT-2)

Angle 90°

DAY _____ AM (AM)

Date 6-4-09

Shift Started 6 ENDED 6

Rig # C5-4002

(NIGHT) _____ (PM) _____ PM

Job # _____

DRILLER Jesse / Kyle Stone

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
6:30		67	395.14	396.92	1.78	1.94		ROD# 144	
		68	396.92	399.97	3.05	0.9		ROD# 145	
		69	399.97	403.02	3.05	1.70		ROD# 146	
		70	403.02	403.79	.77	.57		ROD# 147	
	1:10		Rods stuck Hole Caved in						
			While Reaming down Caved in						
	2:00		Got Rod turning						
2:00	2:45		Back Reamed 7'						
2:45			Rod stuck Again						
	5:35		Work Rods						
5:35	6:00		Work on slide while waiting						
			Decision						
TOTAL							Percentage Recovered		%

Comments:

6:00 - TANK - 130 V/S
9:00 - TANK - 130 V/S
12:00 - TANK - 125 V/S

Mud Used
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) 6. Grease

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NE MARGIN

Hole # M0028A
(MAT-2)

Angle 90°

DAY

AM

AM

Date 6-5-09

Shift Started 6

ENDED 6

Rig # CS-4002

NIGHT

PM

PM

Job # _____

DRILLER James A. Higgins / Kyle Steve

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	10:00		Trip in Last 27 rods (10')						
10:00	12:40		25 feet of Sand in PQ Rods wash out						
12:50	1:20		Beam threw landing ring						
1:20	2:30		Tube keeps blocking off in (BHA)						
2:30	3:30		Beam threw stabilizers & Bit						
3:30	4:01		Beam to Bottom						
4:01			Start Casing						
		71	403.79	404.52	.73	0		Rod #147	
			Stop Hole is Caving In						
			Pull Back To Casing (PQ)						
	6:00		Beam Back down						
TOTAL							Percentage Recovered		%

Comments:

Mud Used

Gel _____
Polymer _____
Soda Ash _____

Rod Grease _____
Cutting Oil _____
Other (Specify) 2 BAGS GUAR

Parts and Supplies

60 visc

DOSECC DRILLERS LOG

LOCATION NT/ixargin

Hole # Mat-2

DAY

AM

AM

Shift Started 6 ENDED 6

Angle -90°

Date 6-6-09

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					
6:30	6:30		Site + Safety check						
6:30		72	404.52	405.75	1.23			Rod # 147	
		73	405.75	408.00	2.25	0.23		Rod # 148	.80 ↑
		74	408.00	414.02	6.02	0.29		Rod # 149-150	88 ↑
	4:00	75	414.02	416.65	2.63	0.09		Rod # 150-151	
4:00	8:30		got stuck pulling tube 10' off bottom, work						
	8:30		Pipe up into casing						416.65
5:30	6:00		have meeting on hole w/ client of different						414.02
			approach on sand zone						002065
TOTAL							Percentage Recovered		%

Comments:

Mud Used

Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) glue-8

Parts and Supplies

(2) Basket Combs #12 B. Sinter Request

DOSECC DRILLERS LOG

LOCATION NJ / Margin

Hole # Mat-2

Angle -90°

DAY _____ AM _____ AM _____

Date 6-7-09

Shift Started 6 ENDED 6

Rig # CS4002

NIGHT _____ PM _____ PM _____

Job # _____

DRILLER James A. [unclear] / Kyle Stoe

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:30	6:30		Reshift Inspection						
6:30			Reaming into hole					Rod # 138-139	
			Reamed to Rod 150 tube Block off at 411.86						
			Tube blockoff @ 412.16						
	12:00		Pull Tube						
	12:54		Back to Bottom						
12:54		78	416.65	418.15	1.50	1.86		Rod 151 .20 on 152	
		79	418.15	422	3.85	3.2		Rod # 152 1.00 on 153	
		80	422	425.59	3.59	3.16		Rod # 153 - 1.54 on 154	
TOTAL							Percentage Recovered		%

Comments:

Mud Used - Gel 28
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) Guar 3

Parts and Supplies

NO SAG 3

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MAT-2

Angle 90°

DAY AM AM

Date 6-8-09

Shift Started 6 ENDED 6

Rig # CS-4002

NIGHT PM PM

Job # _____

DRILLER Shawn, Jess, Jay

Tube ↓ 1.51 ↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00							ROD #		
		81	425.59	430.13	4.54	3.19	754	55	430.47 1.84
		82	430.43						430.43
		81	425.59	429.31	3.72	3.19		R00155 w/ 1.84↑	425.59
		82	429.31	432.60	3.29	3.13		R00155-156 ↑.60	51.6
		83	432.60	436.02	3.42	3.21		R00156-157	.60↑
	12:00	84	436.02	439.30	3.28	3.17		R00157-158	↑.23↑
		85	439.30	442.35	3.05	3.14		R00159	
		86	442.35	445.40	3.05	3.16		R00160	
		87	445.40	448.45	3.05	3.13		R00161	
	6:00	88	448.45	451.5	3.05	3.13		R00162	
TOTAL								Percentage Recovered	%

Comments: VIS-57

Mud Used Tun. Gel 24
 SAG Polymer 2
 GUAR Soda Ash 2

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # Mat-2

DAY _____ AM _____

Angle -90°

Shift Started 6 ENDED 6

Date 6-8-09

NIGHT _____ PM _____

Rig # 15400

Job # _____

DRILLER Jesus, Kyle, Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00									
		89	451.50	454.50	3.05	3.1		Rod # 163	
		90	454.55	457.60	3.05	0		Rod # 164	
		91	457.60	460.65	3.05	1.99		Rod # 165	
12:00		92	460.65	463.70	3.05	3.05		Rod # 166	
		93	463.70	466.75	3.05	3.05		Rod # 167	
		94	466.75	469.80	3.05	3.05		Rod # 168	
		95	469.80	472.85	3.05	3.1		Rod # 169	
		96	472.85	475.90	3.05	3.08		Rod # 170	
		97	475.90	478.95	3.05	3.1		Rod # 171	
TOTAL								Percentage Recovered	%

Comments: VISC. 70

Mud Used
 UNIV. Gel 24
 SAG Polymer 3
 GVAR Soda Ash 2

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
1 CORE LIFTER SPRING

DOSECC DRILLERS LOG

LOCATION NE MARGIN

Hole # MAT-2

DAY Shift Started 6 AM ENDED 6 AM

Angle 90°

Date 6-9-09

NIGHT Shift Started 6 PM ENDED 6 PM

Rig # CS-4002

Job # _____

DRILLER Shawn Test Jay

Tube ↓ 10↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials	
FROM	TO		FROM	TO						
6:30	6:30									
			Site & Safety check							
		98	478.95	482.0	3.05	3.20		Rod# 172		
		99	482.0	485.05	3.05	2.84		173		
		100	485.05	488.10	3.05	3.18		174		
		101	488.10	491.15	3.05	3.22		175		
		102	491.15	494.20	3.05	2.23		176		
		103	494.20	497.25	3.05	3.19		177		
		104	497.25	500.30	3.05	2.99		178		
TOTAL					21.35	20.85	Percentage Recovered	%		

Comments: Shut Down For lightning From 11:00 to 12:30

Mud Used
 Gel 28
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) 165AG 4
GUAR 4

Parts and Supplies
1 Tube GREASE (2 CONE LIFTER SPRINGS)

[Handwritten signature]

[Handwritten signature]

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # Mut-2

DAY _____ AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-9-09

NIGHT (circled) PM

Rig # C54002

Job # _____

DRILLER Jim/Kyle Steve

10' ↑ Tubel

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00									
		105	500.30	503.35	3.05	3.19		Rod# 179	
		106	503.35	506.40	3.05	3.1		Rod# 180	
		107	506.40	509.45	3.05	3.09		Rod# 181	
		108	509.45	512.50	3.05	2.26		Rod# 182	Slip Core
12:00		109	512.50	515.35	2.85	3.2		Rod# 183	
		110	515.35	518.60	3.25	3.07		Rod# 184	
12:45	12:45		Stack Tube work free						
1:34									
		111	518.60	521.65	3.05	3.04		Rod# 185	
		112	521.65	524.70	3.05	2.37		Rod# 186	
		113	524.70	527.75	3.05	3.20		Rod# 187	
TOTAL					27.45	26.52	Percentage Recovered		%

Comments:

Mud mix is 2T-6cl 2-Bags NO Sag 6-Cups Grease Gum

Mud Used T Gel 28 Rod Grease _____
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) _____

Parts and Supplies NO SAG - 3/3
Guar Gum
1 Budget HYDRO FLUID

DOSECC DRILLERS LOG

LOCATION MC / MARGIN

DAY 6 AM ENDED 6 AM

NIGHT _____ PM

Shift Started _____ ENDED _____

DRILLER Shaun Jones

Hole # MAT-2

Angle 90°

Date 6-10-09

Rig # CS-4002

Job # _____

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials	
FROM	TO		FROM	TO						
6:00	6:30		Site & Safety	Lock						
		14	527.75	530.20	2.45	2.58	Rod # 188			
		15	530.20	531.33	1.13	1.07	Rod # 188-189	.60 ↑		
		16	531.33	533.18	1.85	1.85	Rod # 189	2.52 ↑		
	1:00	17	533.18	533.85	0.67		Rod # 189	3.15 ↑		
1:00			Trip out Bit, put on PDC Bit had meeting on Profable H ₂ S problems and was advised by Onwell and client to go back in and take another core to determine whether or not there is any more H ₂ S.							2.52 ↑
									533.85	
									533.67	
									533.28	
TOTAL							Percentage Recovered		%	

Comments: Prior to tripping bit lost tube contained at least 60ppm of H₂S at clients request continue on.

Mud Used Turn Gel 14

Sag Polymer 2

Soda Ash _____

Rod Grease _____

Cutting Oil _____

Other (Specify) Grease 1

Parts and Supplies

PDC Bit - 915091

(2) Thrust Bearings

(1) Hatchhead Spindle HQ

DOSECC DRILLERS LOG

LOCATION NZ/MARGIN

Hole # MAT=2

DAY _____ AM _____

Angle 90°

Shift Started 6 ENDED 6

Date 6-10-09

NIGHT PM PM

Rig # CS-4002

Job # _____

DRILLER Jesus / Steve Kyle

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
6:50									
	9:30								
9:30									
	11:40								
11:43									
	12:46								
11:20		118	533.85	536.90	3.05	3.12		Rod#190	
		119	536.90	538.64	1.74	1.85		Rod#191	
		120	538.64	539.95	1.31	1.36		Rod#191	
TOTAL							Percentage Recovered		%

Comments:

Mud Used TUNN Gel 44 SALT Rod Grease 10
 GVAR Polymer 2 Cutting Oil _____
 SAG Soda Ash 2 Other (Specify) _____

Parts and Supplies
1 TUBE GREASE
2 DOG EARS

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # MAT-2

DAY

AM

AM

Shift Started 6

ENDED 6

Angle 90°

Date 6-11-09

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					
600	630		Site & Safety	check					
630		121	539.95	543.0	3.05	2.64		Rod# 192	
		122	543.0	545.05	2.05	2.47		193	
		122	545.05	546.05	1.0	0.85		193	
		123	546.05	548.46	2.41	2.47		194	
		124	548.46	549.22	0.76	0.82		194-195	
		125	549.22	552.15	2.93	1.13		195	
	600	126	552.15	-	Drilling			196	
TOTAL					12.20	10.38	Percentage Recovered		%

Comments: 7:50AM-82 Visc (2+2+4) 11:10AM-128 Visc (2+2+6)
 2:15 p.m. (Vis in 131) w/ out - 527

Mud Used TUNN Gel 34
 GUAR Polymer 4
 SAG Soda Ash 4

S&B Rod Grease _____
 Cutting Oil _____
 Other (Specify) Salt 8

Parts and Supplies

[Handwritten scribbles and notes]

DOSECC DRILLERS LOG

LOCATION NT/Margin Hole # Mat-2
 DAY _____ AM _____ AM _____
 Shift Started 6 ENDED 6 Date 6-11-09
 NIGHT _____ PM _____ PM _____
 RIG # CS 4002
 DRILLER Jessi/Steve Kyle Job # _____

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>6:00</u>			<u>Pre-shift Inspection</u>						
		<u>126</u>	<u>552.15</u>	<u>555.2</u>	<u>3.05</u>	<u>3.03</u>		<u>Rod # 196</u>	
		<u>127</u>	<u>555.2</u>	<u>558.25</u>	<u>3.05</u>	<u>2.64</u>		<u>Rod # 197</u>	
		<u>128</u>	<u>558.25</u>	<u>561.30</u>	<u>3.05</u>	<u>3.15</u>		<u>Rod # 198</u>	
		<u>129</u>	<u>561.30</u>	<u>564.35</u>	<u>3.05</u>	<u>3.11</u>		<u>Rod # 199</u>	
		<u>130</u>	<u>564.35</u>	<u>567.40</u>	<u>3.05</u>	<u>3.14</u>		<u>Rod # 200</u>	
<u>12:00</u>			<u>Pumping tube down</u>						
		<u>131</u>	<u>567.40</u>	<u>570.45</u>	<u>3.05</u>	<u>3.16</u>		<u>Rod # 201</u>	
		<u>132</u>	<u>570.45</u>	<u>573.50</u>	<u>3.05</u>	<u>3.08</u>		<u>Rod # 202</u>	
<u>2:55</u>	<u>3:30</u>		<u>Stand by for Lighting storm</u>						
		<u>133</u>	<u>573.50</u>	<u>576.55</u>	<u>3.05</u>	<u>3.06</u>		<u>Rod # 203</u>	
TOTAL					<u>24.4</u>	<u>24.37</u>	Percentage Recovered	<u> </u>	%

Comments:
6:50 VISC. 60
1:00 am VISC 100 (2+2+8)
4:00 am VISC 50 (2+2+4) after circulating mud tank

Mud Used T- Gel 28 Rod Grease _____
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) _____
NO SAG - 3
Guar Gum - 3

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

DAY AM AM

Shift Started 6 ENDED 6

NIGHT PM PM

Hole # MAT-2

Angle 90°

Date 6-12-09

Rig # CS-4002

Job # _____

DRILLER Shaun Jess, D4

Tube # 101

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety Check						
630		135	576.55	579.6	3.05	3.2		Rod# 204	
	1000	136	579.6	581.7	2.1	2.21		Rod# 205	
		136	581.7	582.5	0.95	0.92		Rod# 205	0.95
1000			Bit is worn out, keep trying to drill @						
			client request after 45 mins on drilling						
			Bit Stalled & Penetrated						
		138	582.65	585.7	3.05	3.10		Rod# 206	
		139	585.7	588.01	2.31	3.06		Rod# 207	
	600	140	588.01	588.75	0.74			Rod# 207	-74
TOTAL					12.20	12.49		Percentage Recovered	%

Comments: 630 am vis (in-42/out-40) 2:00 pm vis (in-44/out-41)

(Had some backfill on run 139-140) Decided by DoSecc & client to Pull Next tube on bottom

Mud Used

Gel 30 TUNNEL

Polymer _____

Soda Ash _____

Rod Grease _____

Cutting Oil _____

Other (Specify) 3 NOSAB

2

Parts and Supplies

1 tube (grease), 1 spring pop off, 3 Bear pump seats

Client Approval _____

DOSECC Approval Paul Mad...

LOCATION NJ/Morgan
 DAY 2/10 AM 6:30 AM 6
 NIGHT 6:30 AM 6 PM
 DRILLER Jesus / Steve Kyle

Hole # Mat-2
 Angle -90°
 Date 6-12-09
 Rig # CS4002
 Job # _____

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
		141	588.75	591.95	3.05	3.08		Rod # 208	
8:33	9:15		Change out of Head						
9:15		142	591.90	594.85	3.05	3.1		Rod # 209	
	12:00		Miss latch chase Tube with over shot						
	12:24	143	594.85	595.93	1.08	1.16		Rod # 210	
12:4	1:58		Pull Tube						
1:58			Trip for Bit						
	3:00		Pulled back 25' 205 (Casing)						
			Pump to Clean out Casing (P.O.)						
	5:30		Reels out of hole						
TOTAL					7.18	7.34		Percentage Recovered	%

Comments: ✓ VISC @ 6:30 - 6T ✓ VISC @ 1:00 - 73
 ✓ VISC @ 9:30 - 70

Mud Used
 TUNN Gel 20
 SAG Polymer 2
 QUAR Soda Ash 3

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
 1 GREEN BASKET (FOR RIG FUEL TANK)
 1 OIL FILTER (FOR HEAD) NAPA GOLD # 1551
 1.5 GALLONS 75/90
 1 stabilizer ring (HQ)

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NS Margin

Hole # Mat-2

DAY _____ AM _____ AM

Angle -90°

Shift Started 6 ENDED 6

Date 06-13-09

NIGHT _____ PM _____ PM

Rig # CS4002

DRILLER Shaun L. Jay S. Jess V.

Job # _____

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Fresh + Inspection						
6:35	9:00		Tag @ 329.62 went to pump				sanded in tube.		
9:00	10:30		trip out						
10:30	11:15		Break apart barrel to pull stuck				tube out		
11:15	11:30		work on fan belt						
11:30			Trip back in with cut tube tag @ 247m						
	2:00		Drop tube						
2:00			Start washing in Rod # 95-96-97-98-99-100-101-102-103-						
	6:00		104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-						
TOTAL					0	0	Percentage Recovered		%

2.5
1.5
3.5
4 ream

Comments: (105-20' w/ 1.97") (144-595.93 - Rod # 210 - 1.97")

Mud Used: Gel Guar 6 Tunnel Gel 4 Rod Grease _____
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) _____

Parts and Supplies: Boart Longyear Alpha 6 - #06-21642 (1) Multi Quip Air Filter (Trash Pump)
1) File (2) Simple Green

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ / Margin

Hole # W1-2

DAY _____ AM _____ PM _____

Angle -90°

Shift Started 6 ENDED 6

Date 6-13-09

(NIGHT) _____ (PM) _____

Rig # LS4002

Job # _____

DRILLER Jacir / Steve Kyle

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
6:30						119-120			
	10:35								
	12:00								
	2:00								
2:00	2:52								
	5:23								
5:23	6:00								
TOTAL					0	0	Percentage Recovered		%

Comments: Tube down running straight + gear (1000) until bottom of PC casing then go back to bentonite mix.

Run 10 cups Guarr @ 11 1030 then 2+2+4 visc @ 45

Mud Used T-Gel 40
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
1 TUBE GREASE

NOSAG = 3
 Guarr = 2

Client Approval

DOSECC Approval

DOSECC DRILLERS LOG

M0028A

LOCATION NH/Margin

Hole # (Nat-2)

DAY

AM

AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-14-09

NIGHT

PM

PM

Rig # CS4002

Job # _____

DRILLER Shaun 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		144	595.93	597.9	1.97	2.32		Rod # 210	1.97↑
		145	597.9	600.95	3.05	3.02		Rod # 211	
		146	600.95	604	3.05	1.79		Rod # 212	
		147	604	607.05	3.05	2.01		Rod # 213	
		148	607.05	610.10	3.05	0		Rod # 214	
		149	610.10	613.15	3.05	2.2		Rod # 215	
	6:00	150	613.15	614.15	1.0	1.03		Rod # 216	
		151	614.15					Rod # 216	2.05↑
TOTAL								Percentage Recovered	%

Comments: (6:30 a.m. vis in 34/out-36)

Mud Used Tunnel Gel 18
Sag Polymer 5
GUAR Soda Ash 6

Rod Grease _____
 Cutting Oil _____
 Other (Specify) AQUA GEL - 22 (Brown Bags no label)

Parts and Supplies
(2) Cans of Chain and Cable Lube
(2) Tubes of Grease
(2) Thrust Bearings

Client Approval _____

DOSECC Approval _____

DOSECC DRILLERS LOG

M2028A

LOCATION NJ/MARLEN

Hole # (MAT-2)

Angle -90°

DAY _____ AM (AM)

Date 6-14-09

Shift Started 6 ENDED 6

Rig # CS4002

(NIGHT) (PM) PM

Job # _____

DRILLER Jesus, Steve, Kyle

2.05 ↑ Tuben

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
		151	614.15	616.2	2.05	1.76		Rod # 216 (2.05 ↑)	
		152	616.2	619.25	3.05	3.04		Rod # 217	
	12:00	153	619.25	622.30	3.05	3.21		Rod # 218	
		154	622.30	625.35	3.05	3.05		Rod # 219	
		155	625.35	628.40	3.05	3.21		Rod # 220	
6:00		156	628.40	630.45	3.05	3.22		Rod # 221	
TOTAL							Percentage Recovered		%

Comments: ✓ VISC @ 9:00 - (65) ✓ VISC @ 3:30 - (45)

Mud Used ARVA Gel 32 5 EZ MUD Rod Grease 1
SAG Polymer 3 6 Cutting Oil _____
QUAR Soda Ash 4 Other (Specify) _____

Parts and Supplies (2) Set lifting dogs HA Marshall

Client Approval _____ DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # MAT-2

Angle 90°

DAY

AM

AM

Date 6-15-09

Shift Started 6AM ENDED 6PM

Rig # CS-4002

NIGHT

PM

PM

Job # _____

DRILLER Shawn, Jess, Jay

10407

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		157	630.45	634.50	3.05	3.26	Rock	222	
		158	634.50	637.55	3.05	3.15		223	
		159	637.55	640.60	3.05	3.15		224	
		160	640.60	643.65	3.05	3.21		225	
		161	643.65	646.7	3.05	3.05		226	
		162	646.70	649.75	3.05	3.10		227	
		163	649.75	652.8	3.05	3.28		228	
	6:00	164	652.8	655.85	3.05	3.09		229	
		165	655.85					230	
TOTAL					24.4	25.29	Percentage Recovered	%	

Comments: 8:10am - 36 Visc 2 Aqua, 2 EZ Mud, 2 No Sag, 5 Guar
 12:51pm - 40 Visc 2 Aqua 2 No Sag, 11 Guar
 4:00pm - 58 Visc 2 Aqua 2 No Sag, 12 Guar with Circulating
 Change mud to 2 Aqua 2 No Sag 5 Guar
 5:15pm - 42 Visc

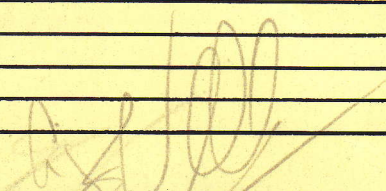
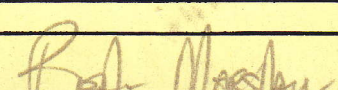
Mud Used Aqua Gel 50
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) EZ Mud Gold 1
 Guar 6
 No Sag 6

Parts and Supplies
(2) Lifters Springs HQ

Client Approval

DOSECC Approval

DOSECC DRILLERS LOG

M0028A

LOCATION NJ Margin

Hole # (Mat-2)
Angle -90°

DAY _____ AM
Shift Started 6 ENDED 6
NIGHT _____ PM

Date 6-15-09
Rig # CS402
Job # _____

DRILLER Jesus, Steve, Kyle

0' ↑

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		165	655.85	658.90	3.05	3.23		Rod # 230	
		166	659.90	661.95	3.05	2.81		Rod # 231	
		167	661.95	665.0	3.05	3.24		Rod # 232	
	12:00	168	665.0	668.05	3.05	3.21		Rod # 233	
		169	668.05	671.10	3.05	2.15		Rod # 234	
	2:55	170	671.10	674.15	3.05	3.23		Rod # 235	(TD)
2:55			Pulled Back 260'					To Ream Back	down
	6:00		Reamed 140'						
					TOTAL	18.30	17.87	Percentage Recovered	%

42

Comments: TD Hole at 674.15 mbst

Mud Used Ague Gel 36
Gurr Polymer 5
No SAG Soda Ash 3

Rod Grease _____
Cutting Oil _____
Other (Specify) E2 mud Gold _____

Parts and Supplies

[Signature]

DOSECC DRILLERS LOG

LOCATION N.J. / MARGTN

Hole # MAT# 2

(DAY)

(AM)

AM

Angle 90°

Date 6-16-09

Shift Started 6

ENDED 6

Rig # CS-4002

NIGHT

PM

(PM)

Job # _____

DRILLER Shaun, Jess, Jay

Tube ↓ 0 ↑ 6 205

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Sited	Safety check					
630	930		Return	to bottom					
930	1030		Circulate & condition hole set up loggers prior						
1030	500		lay wellbore w/ Bit 32 m off bottom						
500	545		Circulate & condition hole						
545	600		Rig up Canadian logging crew						
TOTAL								Percentage Recovered	%

Comments: 2 well - 2 no sub - 12 acid - 2 EZ-mud
TD @ 677.15' Rod # 235

Mud Used

Gel	<u>20</u>
Polymer	<u>2</u>
Soda Ash	<u>1</u>

Rod Grease _____
Cutting Oil _____
Other (Specify) Guar - 10

Parts and Supplies

(Handwritten signature)

(Handwritten initials)

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

DAY _____ AM _____ PM _____

Shift Started 6 ENDED 6

NIGHT **AM** **PM**

DRILLER Jesus / Steve Kyle

Hole # MAT-2

Angle 90°

Date 6-16-09

Rig # CS-41002

Job # _____

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Pre-bit Inspection						
6:30	12:40		Pre-bit Survey hole						
12:40	1:30		Trip out 40-20's				after circulating hole		
1:30	4:00		for 50 min						
4:00	6:00		Continue Logging						
TOTAL							Percentage Recovered	%	

Comments:

Mud Used AQUA Gel 4

 GUAR Polymer 2

 E2 GOLD Soda Ash 1

Rod Grease _____

Cutting Oil _____

Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ/margin

Hole # Mat-2

Angle -90°

(DAY)

(AM)

AM

Date 6-17-04

Shift Started 6

ENDED 6

Rig # CS4002

NIGHT

PM

(PM)

Job # _____

DRILLER Shawn, Jay, Jess, Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>600</u>	<u>600</u>		<u>log hole</u>						
TOTAL							Percentage Recovered	%	

Comments:

Mud Used

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

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION N.J. MARGIN

Hole # MAT-2

DAY _____ AM _____

Angle 90°

Shift Started 6 ENDED 6
 NIGHT PM

Date 6-17

Rig # CS-4002

Job # _____

DRILLER Jesús/Kyle Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	8:30		Log hole						
8:30	9:00		Circulate Hole						
9:00	11:00		Trip out (HR)						
11:00	12:20		Pump to Circulate Hole						
11:20	1:40		Trip out the rest of (HR)						
1:50	6:00		Log hole						
TOTAL							Percentage Recovered		%

Comments:

Mud Used

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

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

143 436

LOCATION NIS/Margin

Hole # next-2

DAY

AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-18-09

NIGHT PM

Rig # CS4002

Job # _____

DRILLER Shawn Jay Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	800		VSP log						
800	100		Down hole logging						
100	300		PrePace C72						
300	500		Trip in						
500	515		First cut						
515	530		Trip back 40M						
530	600		Trip out to inspect cutter						
TOTAL									
							Percentage Recovered	%	

Comments: First cut above burra, if second cut 40M above that

Mud Used
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MAT-2

DAY _____ AM AM

Angle 90°

Shift Started 6 ENDED 6

Date 6-18-09

NIGHT _____ PM _____ PM

Rig # CS-4002

Job # _____

DRILLER Jesus / Kyle Steve

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	8:30		Trip out (NO)						
8:30	9:30		Rebuild Cutter						
9:30	11:00		Trip in						
11:00	#		Cut Rods						
			Loggs Brake off & it got stuck in between (PQ) & Cutter Rods stuck						
11:00	1:00		work Rods (NO GO) build a hammer to						
1:00	3:30		Hit on Cutter (NO GO) to wide it don't travel fast enough threw the rods						
3:30	6:00		Work Rods						
			Rod 109 on						
TOTAL							Percentage Recovered		%

Comments: Rod 109 on rig at end of shift.

Mud Used
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease
 Cutting Oil _____
 Other (Specify) _____

129
350m

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION

NJ MARGIN

Hole #

M0028A
MAT-2

Angle

90

Date

06/19/09

Rig #

CS 4002

Job #

DAY

Shift Started

6:00

AM

ENDED

6:00

AM

NIGHT

PM

PM

DRILLER

SHAUN, JAY, DAVE

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	11:45								
	11:45								
11:45	1:00								
1:00	1:30								
1:30	3:00								
3:00	4:00								
4:00	5:00								
5:00	6:00								
TOTAL								Percentage Recovered	%

Comments: ITEMS LEFT IN HOLE:

- 1 PQ BHA
- 133 PHD RODS + 18 STRETCHED
- 1 PQ ROD CUTTER
- TRASHY RODS
- 5 FLUSH CASING

Mud Used

Gel _____
Polymer _____
Soda Ash _____

Rod Grease _____
Cutting Oil _____
Other (Specify) _____

Parts and Supplies

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # MJT-2

DAY _____ AM _____ AM

Angle 90°

Shift Started 6 ENDED 6

Date 6-19-09

NIGHT _____ PM _____ PM

Rig # CS 4002

Job # _____

DRILLER Jesus / Kyle, Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Prebit Inspection						
6:30	6:00		Work Stuck Rods (PR)						
TOTAL							Percentage Recovered		%

Comments:

Mud Used

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

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ MARGIN

Hole # M0028A

DAY (AM) AM

Angle 90

Shift Started 6:00 ENDED 6:00

Date 06/20/09

NIGHT (PM) PM

Rig # CS 4002

Job # _____

DRILLER SHAUN, JAY, DAVE

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	6:45		Test	cutter					
6:45	8:15		Trip in Ho upside down to make cut						
8:15	8:30		make cut						
8:30	10:00		Trip out						
10:00	10:20		Trip in casing cutter						
10:20	11:15		make cut						
11:15	11:45		Trip out cutter, making an way out						
11:45	3:00		Trip out casing						
3:00	6:00		Rig down. Prepare to move						
TOTAL							Percentage Recovered		%

Comments: New casing cutter AT inside the flush but not inside the Buttress. Removed roller balls on cutter and that fixed the problem. Also fabricated a sub for P6 rod cutter - 1 hr Downtime total

Mud Used
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION

NT MARGIN

Hole #

M0028A/M0029A

Angle

90

DAY

AM

Date

06/20/09

Shift Started

6:00

ENDED

6:00

AM

Rig #

CS 4602

NIGHT

PM

Job #

DRILLER

JESUS, STEVE, KYLE

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:15							JACK DOWN	
6:15	7:30							SAIL TO MAT 3	
7:30	7:45							JACK UP	
7:45	6:00							WAIT FOR BOAT TO SETTLE	
TOTAL								Percentage Recovered	%

Comments:

1815 Deploy Marker buoy

Mud Used

Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval

E. C. Marcio

DOSECC Approval

[Signature]