

IODP Expedition 313, New Jersey Shallow Shelf

Drillers Log

Site 313-M0029A

DOSECC

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

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www.dosecc.org

DOSECC DRILLERS LOG

LOCATION NT MARGIN

Hole # M0028A/M0029A

DAY

AM

Angle 90

Shift Started 6:00

ENDED 6:00

Date 06/20/09

NIGHT

PM

Rig # CS 4602

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

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION Nt/Margin

M0029A

Hole # M-3

Angle -90°

DAY

AM

AM

Date 6-21-09

Shift Started 6

ENDED 6

Rig # CS402

NIGHT

PM

PM

Job # _____

DRILLER Shawn Jay Cove

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		change oil in genset						
1030	1350		Running Casing, + tagged seabed.						
1350	1442		Raise/lower vessel + set casing						
1442	1600		Prep + test PQ tools. Run PQ to above seabed						
1600			Put microphones into inner barrels.						
430	430		Drop tube.						
430	445		Finish mixing mud						
445		1	0.00	0.80	0.8	0.0	SAND	ROD 16	
		2	0.80	3.30	2.5	0		ROD 17	
	600	3	3.30	3.85	0.55	0		ROD 17	
		4	3.85					ROD 18	55↑
TOTAL							Percentage Recovered		%

Comments: (casing 50.94) TAG BOTTOM WITH PQ RODS AT 52.46M.

MUD MIX = (2) AQUA, (2) NO SAG, (10) GUAR
 CONSTANT = 52.46 (SEA FLOOR TO TOP OF HEAD)

Mud Used

Aqua Gel 12
 Polymer _____
 Soda Ash _____

Rod Grease _____

Cutting Oil _____

Other (Specify) _____

Parts and Supplies

Tic Gum 2

No Sag 1

DOSECC DRILLERS LOG

LOCATION NJ/mergin

Hole # M0029A

Angle -90°

DAY

AM

AM

Date 6-21-09

Shift Started 6

ENDED 6

Rig # CS4002

NIGHT

PM

PM

Job # _____

DRILLER

Jesus, Steve, Kyle

10' Tube

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		4	3.85	6.9	3.05	.06	ALN	ROD#18	
		5	6.9	9.95	3.05	.62	111	ROD#19	
		6	9.95	13.0	3.05	2.30	111	ROD#20	
		7	13.0	16.05	3.05	1.25	111	ROD#21	
		8	16.05	19.70	3.05	1.22	111	ROD#22	
		9	19.10	22.15	3.05	.04	111	ROD#23	
		10	22.15	25.20	3.05	---	NCA	ROD#24	
			25.20	28.25	3.05	---	NCA	ROD#25	
		10	28.25					ROD#26	
10:00	10:35		Condition Hole						
		10	28.25	31.30	3.05	.03		ROD#26 ALN	
	12:00	11	31.30	31.60	.30	.01	EXN	ROD#27	
		12	31.60	34.35	2.75	0.15	ALN	ROD#27	
			34.35	37.40	3.05	---	NCA	ROD#28	
			37.40	40.45	3.05	---	NCA	ROD#29	
		13	40.45	43.50	3.05	.14	ALN	ROD#30	
		14	43.50	44.50	1.00	.29	ALN	ROD#31	
			44.50	46.55	2.05	---	NCA	ROD#31	
			46.55	49.60	3.05	---	NCA	ROD#32	
		15	49.60	52.65	3.05	.56	ALN	ROD#33	
		16	52.65	55.70	3.05	1.22	ALN	ROD#34	
	5:43		Start 1/2 Trip out						
TOTAL							Percentage Recovered		%

Comments: Mud Mix - 2 Anger + 2 no sag + 10 Guar vic = 45 at (1200) changed to 2-Tunnel Gel + 1 no sag + 6 Guar vic = 85 (400) changed to 2-Tunnel 1-No sag - 10 Guar

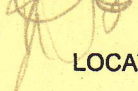
Mud Used T-Gel 24
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____
 NO SAG - 3
 Anger Gel - 12
 Guar Gum - 5

Parts and Supplies
1-TUBE OF GREASE

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG



LOCATION NJ Margin

Hole # M0029A

55.70
DAY

AM

Angle -96°

Shift Started 6 ENDED 6

Date 6-22-09

NIGHT 70 PM

Rig # CS4002

Job # _____

DRILLER Shaun, Jay, Dave, Doug

1.75

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site / Safety check						
630	700		TRIP out P.O. to advance casing						
700	830		advance casing						
830	330		add 2 more bits - lift bit Trip in P.O. 10 m below casing						
330	510		Run casing advance with Boost						
510	600		Head seal went out Shut down to fix						
TOTAL							Percentage Recovered		%

Comments: 35 cuts in 10' Run #17 hole @ 55.70m

Casing (1-62.3) Run #20 down - 65.46

Mud Used Thin Gel 4
guar Polymer 4
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

4 cans start fluid, 1 WD40, 2 bags head seal - THRUST, 1 Seal KIT - Drill Head

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

AFTER CASING ADJUSTMENT

LOCATION NE MARGIN

Hole # 2966/294 23:00

DAY _____ AM _____

Angle 90°

Shift Started 6 ENDED 6

Date 6-22-09

NIGHT (circled) PM _____

Rig # CS-4002

Job # _____

DRILLER Jesuit-N, Kyle, Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	7:30		Finish	Replacing	5	0	seals on	Head	
7:30	11:02		Continue	Turning			Casing		
11:02			Start	to			Beam	with (PQ) from	rod # 21
	5:53		Reamed	to			Rod # 34		
TOTAL					0	0	Percentage Recovered		— %

Comments: 2 TUNN, 1 SAG, 10 GUAR = 125 VISC ✓ @ 12:00
✓ VISC @ 2:00 = 110, ✓ VISC @ 5:00 = 130

Mud Used TUNN Gel 32
SAG Polymer 3
GUAR Soda-Ash 7

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies _____

DOSECC DRILLERS LOG

LOCATION NS Margin

Hole # M6029A

DAY

AM

Angle 90°

Shift Started 6

ENDED 6

Date 6/23/09

NIGHT

PM

Rig # CS-4002

Job # _____

DRILLER Sean, Jay, Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site 2	Safety check					
630		17	55.16	58.16	3.05	0	(AIN)	Rod # 35	
		18	58.16	61.21	3.05	0.1	(AIN)	Rod # 36	
		X	61.21	64.26	3.05	- - - -	(NCA)	Rod # 37	
		X	64.26	67.31	3.05	- - - -	(NCA)	Rod # 38	
	1200	19	67.31	69.36	2.05	0.23	(AIN)	Rod # 39	5.22↑
1200	100		Hole caved in got stuck Ream back 60"						
100	200		Ream back in tag something hard thinking bit & Reamer twisted off						
200	242		P.O.O.H						
242			Trip in w/ nois spear (cont last) on to Fish						
	500		Trip out / (NO FISH?)						
500	730		Trip back in w/ spear & trip out (Got Fish!)						
TOTAL							Percentage Recovered		%

Comments: (FISH @ 65.14m Rod #39 w/ 5.22↑)

COAST GUARD FLEW OVER AT 2:25 pm
MEDIA DAY

Mud Used TUNNEL Gel 30 Rod Grease 4
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) _____

Parts and Supplies NO SAGE 1
 New ALW Bit # 9A5374, 1 stabilizer, 1 packing flash pump.
 New ALW Bit # 9A5375, 1 stabilizer, 1 PSS1350 oil filter, 1 gal oil, 1 wrench correct

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NE MARGIN

Hole # M00294

Angle 90°

DAY _____ AM (AM)

Date 6/23/09

Shift Started 6 ENDED 6

Rig # CS 4002

(NIGHT) NIGHT (PM) PM

Job # _____

DRILLER Joey / Steve Kyle

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	7:30		Trip out (GOT Fish)						
7:30	8:00		Pre-shift Inspection						
8:00	9:45		Start Put together a new (BHA) welded Bit & Reamer						
9:45	10:30		Adjust Tools						
10:30	11:00		Start to Trip in Hit Fill on rod #21						
11:00			Pump down (NCA) Bad rod did not Let NCA						
	12:10		threw Inspection Rod Replace Rod Pump NCA						
12:10	2:00		Continue Reaming Bit on (NCA) plugged up on						
2:00	2:30		Rod #34 Pull (NCA)						
2:30	3:00		(NCA) Full of Sand Wash out (NCA) & Pump it down						
3:00	4:00		Continue Reaming Hit Bottom						
4:00		X	69.36	70.36	1.00	----	NCA	Rod #39	
		X	70.36	73.41	3.05	---	NCA	Rod #40	
		X	73.41	76.46	3.05	----	NCA	Rod #41	
	6:00	20	76.46	---	Drilling	---	AL	Rod #42 A/N	
TOTAL					<u>0770</u>	<u>0</u>	Percentage Recovered		%

Comments: Bit # 9A3222 Reamer # 9A3229
1 NEW Core B.

Rev Counter not registering

Mud mix 2 brand + 1 no sag + 10 Gall VIC = 100

Mud Used T- Gel 24
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

NO SAG - 2
Grout Gum - 4

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

 LOCATION NJ / Margin

 Hole # M0029A
 DAY

 AM

AM

 Angle -90°

 Shift Started 6 ENDED 6

 Date 6-24-09
 NIGHT

 PM

 PM

 Rig # CS4002

Job # _____

 DRILLER Shaun, Jay, Dave

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & safety check						
630		20	76.46	79.51	3.05	0.48	AIN	Rod # 42	
		X	79.51	82.56	3.05	- - - -	NCA	Rod # 43	
		X	82.56	85.61	3.05	- - - -	NCA	Rod # 44	
		21	85.61	88.66	3.05	0.05	AIN	Rod # 45	
		X	88.66	91.71	3.05	- - - -	NCA	Rod # 46	
		X	91.71	94.76	3.05	- - - -	NCA	Rod # 47	
	130	22	94.76	97.81	3.05	- - - -	AIN	Rod # 48	
		X	97.81			- - - -	NCA	Rod # 49	
130	430		got rods stuck while pulling ALN work stick pipe (not getting free)						
	430		Lower boat to next P&G connection (1.4m)						
430	500		get to ready to run in and wash through P&G Bit to try and free P&G						
500	600		trip in w/ bit & locking adapter						
TOTAL						0.53	Percentage Recovered		%

Comments:

 Mud Used Turn Gel 24
 Polymer _____
 Soda Ash 6

 Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
hydraulic oil, vac filter & trash pump

 Client Approval Melvin

 DOSECC Approval Bob Marshall

DOSECC DRILLERS LOG

LOCATION NA MARGIN

Hole # M0029A

DAY AM AM

Angle 90°

Shift Started 6 ENDED 6

Date 6-24-09

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	9:10		Wash (HQ) to Bottom of (PQ) Bit						
9:10			Pump Water to try to Wash Behind (PQ)						
	1:00		Seal off (PQ) to Get more PSI						
1:06	1:10		Pull on PQ (NOGO)						
1:17	2:00		Pump more Water						
2:00	3:40		Trip out (HQ) Slow to Avoid Getting Sand in (PQ)						
3:40	4:10		Walk Rods Rods Turning (Free)						
4:10	4:45		Pump on Hole (Condition)						
4:45	6:00		Pull Back 120'						
TOTAL							Percentage Recovered		%

Comments: ✓ VISC @ 4:30 = 80 @ 13 GVAR 2 TURN

Mud Used TVM Gel 8
GVAR Polymer 2
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # M0029A

DAY

AM

AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-25-09

NIGHT PM

Rig # CS4002

Job # _____

DRILLER Shawn Taylor Dove

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		Wash PQ tank to bottom with cut tool						
730		X	97.81	99.21	1.4	-- --	NCA	Rod #48	
	830	X	99.21	100.96	1.75	-- --	NCA	Rod #49	
830	1000		Stop to catch up mud tank						
1000		X	100.96	102.26	1.30	-- --	NCA	Rod #49	1.30↑
		X	102.26	105.31	3.05	-- --	NCA	Rod #50	
		X	105.31	108.36	3.05	-- --	NCA	Rod #51	
		X	108.36	11.41	3.05	-- --	NCA	Rod #52	
		X	111.41	14.46	3.05	-- --	NCA	Rod #53	
		X	114.46	17.51	3.05	-- --	NCA	Rod #54	
		23	117.51	20.56	3.05	0.9m	AIN	Rod #55	
		24	120.56	122.73	2.17	0.05	AIN	Rod #56	
		X	122.73	23.61	0.88	-- --	NCA	Rod #56	0.88↑
		X	123.61	26.66	3.05	-- --	NCA	Rod #57	
		X	126.66	29.71	3.05	-- --	NCA	Rod #58	
		X	129.71	32.76	3.05	-- --	NCA	Rod #59	
		X	132.76	35.81	3.05	-- --	NCA	Rod #60	
	600	X	135.81	138.86	3.05	-- --	NCA	Rod #61	
		X	138.86			-- --	NCA	Rod #62	
TOTAL							Percentage Recovered		%

Comments: 97.81 Rod #48 1.4↑ Run #23

Mud Used Tunnel Gel 62
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) 8-6 WAF

Parts and Supplies
(1- Bean pump cup / 1- Bean pump cup holder / 1- Bean pump cup nut)
1- 3" Camlock, (2- BASKET #10)

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # M0029A

DAY _____ AM _____ AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-25-09

NIGHT PM PM

Rig # 154002

Job # _____

DRILLER Jesuk, Steve, Kyle

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		X	138.96	141.91	3.05	-- --	NCA	Rod #62	
		X	141.91	144.96	3.05	-- --	NCA	Rod #63	
		X	144.96	148.01	3.05	-- --	NCA	Rod #64	
		25	148.01	151.06	3.05	.12	ALN	Rod #65	
		26	151.06	154.11	3.05	1.04	ALN	Rod #66	
	12:00	27	154.11	157.16	3.05	.03	ALN	Rod #67	
		28	157.16	160.21	3.05	1.16	ALN	Rod #68	
		29	160.21	161.97	1.76	.42	ALN	Rod #69	1.29↑
		30	161.97	164.00	2.67	.96	ALN	Rod #70	1.67↑
		X	164.64	166.31	1.67	-- --	NCA	Rod #70	
		X	166.31	169.36	3.05	-- --	NCA	Rod #71	
		X	169.36	172.71	3.05	-- --	NCA	Rod #72	
		X	172.71	175.76	3.05	-- --	NCA	Rod #73	
TOTAL							Percentage Recovered		%

Comments: Next Run # 25

Mud Used T- Gel 38
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Gear burn - 6

L. J. Merino R. J. M. M.

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

DAY AM AM

Angle 90°

Shift Started 6 ENDED 6

Date 6-26-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER Shaun, Dave, 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						
		X	175.76	178.81	3.05	-- --	NCA	Rod # 74	
		X	178.81	181.56	3.05	-- --	NCA	Rod # 75	
		X	181.56	184.61	3.05	-- --	NCA	Rod # 76	
		31	184.61	187.66	3.05	0	AIN	Rod # 77	
		32	187.66	190.71	3.05	0	AIN	Rod # 78	
		33	190.71	193.76	3.05	0.20	AIN	Rod # 79	
		34	193.76	196.81	3.05	2.2	AIN	Rod # 80	
		35	196.81	199.86	2.55	0.40	AIN	Rod # 81	
		X	199.86	199.86	0.50	-- --	NCA	Rod # 81	0.50
	6:30	X	199.86	202.91	3.05	-- --	NCA	Rod # 82	
		X	202.91			-- --	NCA	Rod # 83	
TOTAL					2744	2.60	Percentage Recovered		%

Comments: Next run # 31

Mud Used Junna Gel 38
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) g VAC-8

Parts and Supplies Need new water manifold / almost out of equipment check lists / Need new (SRL) /

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NY/NJ Margin

Hole # M0029A

DAY

AM

AM

Angle 1-90°

Shift Started 6 ENDED 6

Date 6-26-09

NIGHT

PM

PM

Rig # CS40022

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		Pre-shift Inspection						
6:30		X	202.91	205.96	3.05	-- --	NCA	Rod# 83	
		X	205.96	209.01	3.05	-- --	NCA	Rod# 84	
		X	209.01	212.06	3.05	-- --	NCA	Rod# 85	
		31X	212.06	215.11	3.05	-- --	NCA	Rod# 86	
		X	215.11	218.16	3.05	-- --	NCA	Rod# 87	
		X	218.16	221.21	3.05	-- --	NCA	Rod# 88	
7:30	8:00		Stand by for Lighting Storm						
	10:36		Pull (NCA)						
	12:00	36	202.21	204.26	3.05	.19	ALN	Rod# 89	
	1:00		Stand by for Lighting Storm						
1:00	2:22		Pump down ALN & Start Coring						
		37	204.26	227.31	3.05	2.09	ALN	Rod# 90	
		38	227.31	230.36	3.05	1.32	ALN	Rod# 91	
		39	230.36	233.41	3.05	.02	ALN	Rod# 92	
TOTAL					30.50	3.62	Percentage Recovered		%

Comments: Next Run #36
✓ VISC @ 11:00 = 150% @ 4 TUNN & 15 GUAR

Mud Used TUNN Gel 35
GUAR Polymer 6
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

DAY (6) AM (6) AM

Angle 90°

Shift Started 6 ENDED 6

Date 6-27-09

NIGHT _____ PM (6) PM

Rig # CS-4002

Job # _____

DRILLER Shawn, Dave, Jay

Tube \downarrow 10 \uparrow

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & safety check						
630		40	233.41	236.46	3.05	0.7	ALN	Rod # 93	
		41	236.46	239.51	3.05	1.7	ALN	Rod # 94	
		X	239.51	242.56	3.05	-- --	NCA	Rod # 95	
		X	242.56	245.61	3.05	-- --	NCA	Rod # 96	
		X	245.61	248.66	3.05	-- --	NCA	Rod # 97	
		X	248.66	251.71	3.05	-- --	NCA	Rod # 98	
		X	251.71	254.76	3.05	-- --	NCA	Rod # 99	
		X	254.76	257.81	3.05	-- --	NCA	Rod # 100	
600		42	257.81	260.86	3.05	②	ALN	Rod # 101	
		43	260.86				ALN	Rod # 102	
TOTAL					27.45	2.4	Percentage Recovered		26.2 %

Comments:

Mud Used TUNNEL Gel 38

Polymer _____

Soda Ash _____

Rod Grease _____

Cutting Oil _____

Other (Specify) _____

Parts and Supplies TIC Gum 5

1 tube grease, (1 core lifter)

DOSECC DRILLERS LOG

LOCATION NJ/xcorgia

Hole # M0029A

DAY _____ AM _____ AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-27-09

NIGHT _____ PM _____ PM

Rig # CS4002

Job # _____

DRILLER Jesus, Steve, Kyle

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>6:00</u>	<u>6:30</u>		<u>Pre-shift Inspection</u>						
		<u>43</u>	<u>260.86</u>	<u>263.91</u>	<u>3.05</u>	<u>.01</u>	<u>ALN</u>	<u>Rod#102</u>	
		<u>44</u>	<u>263.91</u>	<u>266.96</u>	<u>3.05</u>	<u>.57</u>	<u>ALN</u>	<u>Rod#103</u>	
		<u>45</u>	<u>266.96</u>	<u>270.01</u>	<u>3.05</u>	<u>.21</u>	<u>ALN</u>	<u>Rod#104 BIT 9A5952</u>	
		<u>46</u>	<u>270.01</u>	<u>273.06</u>	<u>3.05</u>	<u>.22</u>	<u>ALN</u>	<u>Rod#105</u>	
	<u>12:00</u>	<u>47</u>	<u>273.06</u>	<u>276.11</u>	<u>3.05</u>	<u>.92</u>	<u>ALN</u>	<u>Rod#106</u>	
		<u>48</u>	<u>276.11</u>	<u>279.16</u>	<u>3.05</u>	<u>.24</u>	<u>ALN</u>	<u>Rod#107 BIT 9A5951</u>	
		<u>49</u>	<u>279.16</u>	<u>282.21</u>	<u>3.05</u>	<u>.5</u>	<u>ALN</u>	<u>Rod#108</u>	
		<u>50</u>	<u>282.21</u>	<u>285.26</u>	<u>3.05</u>	<u>2.71</u>	<u>ALN</u>	<u>Rod#109</u>	
		<u>51</u>	<u>285.26</u>	<u>288.31</u>	<u>3.05</u>	<u>2.89</u>	<u>ALN</u>	<u>Rod#110</u>	
TOTAL					<u>27.41</u>	<u>10.36</u>	Percentage Recovered	<u>37%</u>	%

Comments: Mud Mix 4 Bags T-Gel + 15 cups Cement

Mud Used T Gel 30
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) 6000-4

Parts and Supplies
1 CARTRIDGE RING (BIT) (TOOL)
Bits # 9A5952 / 9A5951 ALN

DOSECC DRILLERS LOG

LOCATION NJ / MARTIN

Hole # M0029A

DAY

AM

AM

Angle 90°

Shift Started 6 ENDED 6

Date 6-28-09

NIGHT

PM

PM

Rig # CS-4002

Job # _____

DRILLER Shawn, Jay, Dave

Tube 10T

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & spot check						
630		52	288.31	291.36	3.05	0.45	A1N	Rod# 111	
		53	291.36	294.41	3.05	3.0	A1N	Rod# 112	
		54	294.41	294.8	0.39	0.39 0.4	A1N	Rod# 113	
		55	294.80	296.62	1.82	0.3	A1N	Rod# 113	
	600	56	296.62	300.51	3.89	1.0	A1N	Rod# 113-114	0.84
	600	57	300.51	-	-	-	A1N	Rod# 115	
					TOTAL	12.20	4.75	Percentage Recovered	39%

Comments: Mud Mix - 4 Bags T-gel * 15 cups Gurr 3:30 vs = 17

Mud Used T Gel 30 40
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
(need new blade for bandsaw)

Gurr 6am - 98

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NT / MARGIN

Hole # M0029A

DAY _____ AM _____ AM _____

Angle 90°

Shift Started 6 ENDED 6

Date 6-28-09

NIGHT _____ PM _____ PM _____

Rig # CS 4002

Job # _____

DRILLER Jessy/Kyle Steve

0' ↑ 10' ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Freshly Drilled						
		57	300.51	303.56	3.05	2.32	AIN	Rod # 115	
		58	303.56	306.61	3.05	1.71		Rod # 116	
		59	306.61	309.66	3.05	2.63		Rod # 117	
		60	309.66	312.71	3.05	2.97		Rod # 118	
	12:00	61	312.71	315.76	3.05	2.53		Rod # 119	
		62	315.76	318.81	3.05	1.9		Rod # 120	
		63	318.81	321.86	3.05	1.56		Rod # 121	
		64	321.86	324.91	3.05	2.46		Rod # 122	
		65	324.91	327.96	3.05	3.05		Rod # 123	
TOTAL					27.45	18.08	Percentage Recovered	67%	

Comments: ✓ VISC @ 11:00 27.45 @ 15 @ 21.13 QUAR # 4 BAGS TUNN.

Mud Used TUNN Gel 22
QUAR Polymer 4
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ / Margin

Hole # M0029A

DAY 6 AM AM

Angle -90°

Shift Started 6 ENDED 6

Date 6-29-09

NIGHT PM PM

Rig # CS4002

Job # _____

DRILLER Shawn, Jay, Dave

Tube \downarrow 10 \uparrow

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety check						
130		66	327.96	331.01	3.05	2.30	A/N	ROD#124	
		67	331.01	334.06	3.05	2.95	A/N	ROD#125	
		68	334.06	337.11	3.05	3.12	A/N	ROD#126	
		69	337.11	340.16	3.05	2.9	A/N	ROD#127	
	600	70	340.16	343.21	3.05	3.0	A/N	ROD#128	
		71	343.21				A/N	ROD#129	
						2.31			
TOTAL					15.25	14.97	Percentage Recovered	94%	%

Comments: Having to pull tubes / stuck to avoid scrubbing.

Mud Used Tunnel
 Gel 30
 Polymer _____
 Soda Ash _____

TIC GUM 5
 Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
No sag
1-MQ Air Filter

Aqua 8

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ Margin

Hole # Moo 29 A

DAY _____ AM (AM)

Angle -90°

Shift Started 6 ENDED 6

Date 6-29-09

(NIGHT) _____ (PM) _____ PM

Rig # CS4002

Job # _____

DRILLER Jesus, Steve, Kyle

Tubed o'it

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>6:00</u>	<u>6:30</u>		<u>Pre-shift Inspection</u>						
<u>6:30</u>		<u>71</u>	<u>343.21</u>	<u>345.41</u>	<u>2.20</u>	<u>2.5</u>	<u>AIN</u>	<u>Rod# 129</u>	
		<u>72</u>	<u>345.41</u>	<u>348.46</u>	<u>3.05</u>	<u>2.99</u>		<u>Rod# 130</u>	
		<u>73</u>	<u>348.46</u>	<u>352.36</u>	<u>3.90</u>	<u>3.37</u>		<u>Rod# 131</u>	
		<u>74</u>	<u>352.36</u>	<u>355.41</u>	<u>3.05</u>	<u>2.33</u>		<u>Rod# 132</u>	<u>Slip Core</u>
		<u>75</u>	<u>355.41</u>	<u>356.45</u>	<u>1.04</u>	<u>1.0</u>		<u>Rod# 133</u>	
		<u>76</u>	<u>356.45</u>	<u>358.46</u>	<u>2.01</u>	<u>2.0</u>		<u>Rod# 133</u>	
	<u>6:00</u>	<u>77</u>	<u>358.46</u>	<u>361.51</u>	<u>3.05</u>	<u>2.38</u>		<u>Rod# 134</u>	
TOTAL					<u>18.3</u>	<u>16.57</u>	Percentage Recovered	<u>91</u>	%

Comments: Mud Mix - 20 cups Guac Gum + 6 Bags Amp Gel

Mud Used Amp Gel - 52
 Polymer _____
 Soda Ash _____
Guac Gum - 2

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____
NO SAG - 2

Parts and Supplies
Bit 9A 5373 (with dent.) put on ALN.
1- O-RING FOR ALN ~~ROCK~~ LINED PLUG
1- #10 BASKET W/SPRING
2- #12 BASKET W/SPRING

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

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

Angle 90°

Date 6-30-09

NIGHT _____ PM (PM)

Rig # CS-4002

Job # _____

DRILLER Shawn, Jay, Dave

10V0↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Safety Check						
630		78	361.51	364.56	3.05	3.1		Rod# 135	
		79	364.56	367.61	3.05	3.05		Rod# 136	
		80	367.61	370.66	3.05	1.61*		Rod# 137	Slipped ca
		81	370.66	373.71	3.05	3.3		Rod# 138	
		82	373.71	376.76	3.05	2.75		Rod# 139	
		83	376.76	379.81	3.05	2.77		Rod# 140	
	600	84	379.81	382.86	3.05	3.25		Rod# 141	
TOTAL					21.35	19.83	Percentage Recovered		93 %

Comments: * Core Slipped out - baskets broken on catcher spring no good on own

Mud Used ARMA Gel 600
 Polymer 9 CWAR
 Soda Ash 2 SAG

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NS/Margin

Hole # M0029A

Angle -90°

DAY

AM

AM

Date 6-30-09

Shift Started 6

ENDED 6

Rig # CS4002

NIGHT

PM

PM

Job # _____

DRILLER Jesus, Steve, Kyle

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>6:00</u>	<u>6:30</u>		<u>Pre-shift Inspection</u>						
		<u>85</u>	<u>382.86</u>	<u>385.91</u>	<u>3.05</u>	<u>3.23</u>		<u>Rod #142</u>	
		<u>86</u>	<u>385.91</u>	<u>388.96</u>	<u>3.05</u>	<u>2.93</u>		<u>Rod #143</u>	
		<u>87</u>	<u>388.96</u>	<u>392.01</u>	<u>3.05</u>	<u>2.98</u>		<u>Rod #144</u>	
		<u>88</u>	<u>392.01</u>	<u>395.06</u>	<u>3.05</u>	<u>2.6</u>		<u>Rod #145</u>	
	<u>12:00</u>	<u>89</u>	<u>395.06</u>	<u>398.11</u>	<u>3.05</u>	<u>2.88</u>		<u>Rod #146</u>	
		<u>90</u>	<u>398.11</u>	<u>401.16</u>	<u>3.05</u>	<u>3.0</u>		<u>Rod #147</u>	
		<u>91</u>	<u>401.16</u>	<u>404.21</u>	<u>3.05</u>	<u>2.85</u>		<u>Rod #148</u>	
	<u>6:00</u>	<u>92</u>	<u>404.21</u>					<u>Drilling</u>	<u>Rod #149</u>
TOTAL					<u>21.35</u>	<u>20.47</u>	Percentage Recovered	<u>96</u>	%

Comments:

✓ VISC @ 7:00 50 / ✓ VISC @ 12:00 50 / ✓ VISC @ 5:00 45

Mud Used NOVA Gel 60
 QUAR Polymer 8
 S&A Soda Ash 2

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

DAY AM

Angle 90°

Shift Started 6 ENDED 6

Date 7-1-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER Shaun, Jay, Dave

10V 07

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630	Site & Safety check							
630		92	404.21	407.26	3.05	2.85		Rod# 149	
		93	407.26	410.31	3.05	3.2		Rod# 150	
		94	410.31	413.36	3.05	3.0		Rod # 151	
		95	413.36	416.41	3.05	2.90		Rod# 152	
		96	416.41	419.46	3.05	3.31		Rod# 153	
	500	97	419.46	422.51	3.05	3.15		Rod# 154	
		98	422.51					Rod # 155	
500	600	lightning delay, Had safety meeting on lightning Procedures							
TOTAL					18.3	18.41	Percentage Recovered	101	%

Comments:

Mud Used Aqua Gel 66
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

No sag 2
Tie Guan 2

DOSECC DRILLERS LOG

LOCATION NT/Margin

Hole # mm29A

DAY _____ AM (AM)

Angle -90°

Shift Started 6 ENDED 6

Date 7-1-09

(NIGHT) _____ PM _____

Rig # CS4002

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		Pre-shift Inspection						
6:30		98	422.51	425.56	3.05	1.62		Rod# 155	
		99	425.56	428.61	3.05	2.8		Rod# 156	
		100	428.61	431.66	3.05	3.34		Rod# 157	
	12:00	101	431.66	434.71	3.05	3.25		Rod# 158	
		102	434.71	437.76	3.05	3.03		Rod# 159	
		103	437.76	440.81	3.05	0		Rod# 160	Slip Core
		104	440.81	441.11	.30	1.18		Rod# 161	
	6:00		Try to remove Slip Core						
TOTAL					18.6	15.22	Percentage Recovered		83 %

Comments: Mud Mix 6-Aqua + 20 cups Gum + 4 nosags W/O 4K

Mud Used Aqua Gel 74
 Polymer _____
 Soda Ash _____
 Gum 2

Rod Grease _____
 Cutting Oil _____
 Other (Specify) NO SAG - 4

- Parts and Supplies**
- 1 - STABILIZER RING P/N - 470-118
 - 2 - O-RINGS FOR LINER PLUG
 - 2 - ALN SHOES (1-USED) (1-NEW)
 - 2 - CORE LIFTERS w/ SPRINGS (#10)

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

DAY AM

Angle 90°

Shift Started 6 ENDED 6

Date 7-2-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER Shawn, Dave

2.75↑ Tube ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Site 2 Safety check						
6:30		105	441.11	443.86	2.75	2.50		ROD# 161	
		106	443.86	446.91	3.05	2.97		ROD# 162	
		107	446.91	449.96	3.05	2.85		ROD# 163	
		108	449.96	453.01	3.05	3.39		ROD# 164	
		109	453.01	456.06	3.05	2.85		ROD# 165	
	6:00	110	456.06	459.11	3.05	2.05		ROD# 166	
		111	459.11			16.71		ROD# 167	
TOTAL					18.00	16.71	Percentage Recovered	93%	%

Comments: (SP) Swept out Mud manifold with new one.

✓ Visc at 4:00 PM 54

Mud Used

Gel <u>14</u> Polymer <u>9</u> Soda Ash <u>1</u>	TIC Gum <u>8</u> Rod Grease _____ Cutting Oil _____ Other (Specify) _____
--	--

Parts and Supplies

3 whip checks, 1 mud manifold

Aqua 32
NO Sag 2

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ/Margin

Hole # M0029A

DAY _____ AM _____ AM

Angle -90°

Shift Started 6 ENDED 6

Date 7-2-09

NIGHT _____ PM _____ PM

Rig # CS4002

Job # _____

DRILLER Jesus, Steve, Kyle

0' ↑ 10' ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00									
		111	459.11	462.16	3.05	3.45	sand?	Rod# 167	
		112	462.16	465.21	3.05	3.23		Rod# 168	
		113	466.21	469.26	3.05	1.77		Rod# 169	
12:00		114	468.26	471.31	3.05	3.0		Rod# 170	
		115	471.31	474.36	3.05	2.41		Rod# 171	
		116	474.36	477.41	3.05	2.78		Rod# 172	
		117	477.41	480.46	3.05	3.17		Rod# 173	
6:00		118	480.46	481.60	1.14	1.14		Rod# 174	
					22.49				
TOTAL					<u>22.49</u>	<u>20.85</u>	Percentage Recovered	<u>92</u>	%

Comments:

✓ VISC @ 7:00 50 ✓ VISC @ 3:30 50

Mud Used TWANG Gel 22

COVAR Polymer 4

SAG Soda Ash 1

Rod Grease _____

Cutting Oil _____

Other (Specify) _____

lu

Parts and Supplies

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

Angle 90°

(DAY)

(AM)

AM

Date 7-3-09

Shift Started 6 ENDED 6

Rig # CS-4002

NIGHT

PM

(PM)

Job # _____

DRILLER Shaun, Dave, JOE, Eric

1.91 ↓ 0 ↑

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
<u>600</u>	<u>630</u>		<u>Site + Safety check</u>						
<u>630</u>		<u>119</u>	<u>481.60</u>	<u>483.51</u>	<u>1.91</u>	<u>0.37</u>		<u>179</u>	
		<u>120</u>	<u>483.51</u>	<u>486.56</u>	<u>3.05</u>	<u>3.03</u>		<u>175</u>	
		<u>121</u>	<u>486.56</u>	<u>489.61</u>	<u>3.05</u>	<u>3.14</u>		<u>176</u>	
		<u>122</u>	<u>489.61</u>	<u>492.66</u>	<u>3.05</u>	<u>3.03</u>		<u>177</u>	
		<u>123</u>	<u>492.66</u>	<u>495.71</u>	<u>3.05</u>	<u>3.09</u>		<u>178</u>	
		<u>124</u>	<u>495.71</u>	<u>498.76</u>	<u>3.05</u>	<u>2.86</u>		<u>179</u>	
<u>600</u>		<u>125</u>	<u>498.76</u>	<u>- Drilling</u>				<u>180</u>	
TOTAL					<u>20.21</u>	<u>15.52</u>	Percentage Recovered	<u>90</u>	%

Comments:

Mud Used

Gel Tunnel 30
 Polymer _____
 Soda Ash _____

Rod Grease 1" Gum 4
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

(1-New set of PA Chuck Jaws + Ring)

Client Approval

DOSECC Approval

DOSECC DRILLERS LOG

LOCATION NT/Margin

Hole # M60294

DAY _____ AM (AM)

Angle -90°

Shift Started 6 ENDED 6

Date 7-3-09

(NIGHT) _____ PM _____ PM

Rig # CS4002

Job # _____

DRILLER Jesus, Steve, Kyle

0' ↑ 10' ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30							SAFETY INSPECTION	
6:30		125	498.76	501.81	3.05	3.05		Rod # 180	
		126	501.81	504.61	2.8	2.85		Rod # 181	
		127	504.61	507.91	3.3	3.4		Rod # 182	
12:00		128	507.91	510.96	3.05	3.2		Rod # 183	
12:00		129	510.96	514.01	3.05	3.35		Rod # 184	
		130	514.01	517.06	3.05	2.99		Rod # 185	
		131	517.06	520.11	3.05	3.19		Rod # 186	
		132	520.11	523.16	3.05	3.2		Rod # 187	
TOTAL					<u>24.4</u>	<u>25.23</u>	Percentage Recovered	<u>103</u>	%

Comments:

ONLY HAVE 1 NEW ALN SHOE LEFT

Mud Mix - 4 bags T-Gel + 20 cups Gum Visc = 65

Mud Used T- Gel 27

Polymer _____

Soda Ash _____

Rod Grease _____

Cutting Oil _____

Other (Specify) _____

Parts and Supplies

Gum Gum 5

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

DAY

AM

AM

Angle 90°

Shift Started 6 ENDED 6

Date 7-4-09

NIGHT

PM

PM

Rig # CS-4002

Job # _____

DRILLER Joey, Eric, Cam, Shaun

10↑

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						
		133	523.16	526.21	3.05	3.28		Rod# 188	(SP)
		134	526.21	529.26	3.05	3.30		Rod# 189 (Sl: Pen core)	
		135	529.26	529.58	0.32	1.06		Rod# 190	
		136	529.58	532.21	2.73	2.13		Rod# 190	
		137	532.31	535.36	3.05	3.51		Rod# 191	
		138	535.36	538.41	3.05	2.56		Rod# 192 (Sl: Pen core)	
		139	538.41					Rod# 193	
TOTAL					15.25	12.84	Percentage Recovered		84.06 %

Comments: PRESHIFT INSPECTION = SAFETY MEETING HARD HATS = EYE PROTECTORS

Mud Used Tunnel
 Gel 30
 Polymer _____
 Soda Ash _____

TIC Gum 5
 Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

4 core cutters

[Signature]

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

DAY _____ AM _____ AM AM

Angle 90°

Shift Started 6 ENDED 6

Date 7-4-09

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					
<u>600</u>	<u>130</u>	<u>SITE</u>	<u>SAFETY CHECK</u>						
		<u>139</u>	<u>532.41</u>	<u>541.41</u>	<u>3.0</u>	<u>2.78</u>		<u>Rod#193</u>	
		<u>140</u>	<u>541.41</u>	<u>544.51</u>	<u>3.10</u>	<u>3.95</u>		<u>Rod#194</u>	
		<u>141</u>	<u>544.51</u>	<u>547.56</u>	<u>3.05</u>	<u>3.0</u>		<u>Rod#195</u>	
	<u>1200</u>	<u>142</u>	<u>547.56</u>	<u>550.61</u>	<u>3.05</u>	<u>3.33</u>		<u>Rod#196</u>	
		<u>143</u>	<u>550.61</u>	<u>553.66</u>	<u>3.05</u>	<u>3.06</u>		<u>Rod#197</u>	
		<u>144</u>	<u>553.66</u>	<u>556.71</u>	<u>3.05</u>	<u>.66</u>		<u>Rod#198</u>	<u>Slip Core</u>
		<u>145</u>	<u>556.71</u>	<u>557.16</u>	<u>.45</u>	<u>1.78</u>		<u>Rod#199</u>	<u>2.60 ft</u>
			<u>Try to recover</u>						
			<u>Slip Core</u>						
TOTAL					<u>18.75</u>	<u>18.16</u>	Percentage Recovered	<u>97</u>	%

Comments:

✓ VISC @ 7:00 55

Mud Used
 Gel 21
 Polymer _____
 Soda Ash 5

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Core lifter/spring, cumber; 1 collar style lifter case

[Signature]

DOSECC DRILLERS LOG

LOCATION AJ/MARGIN

Hole # M0029A

Angle 90°

DAY

AM

AM

Date 7-15-09

Shift Started 6

ENDED 6

Rig # CS-H002

NIGHT

PM

PM

Job # _____

DRILLER JOEY, ERIC, DAVE, SHAWN

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:15		PRE-SHIFT						
		146	557.16	559.76	2.60	2.69		Rod # 179	
		147	559.76	562.81	3.05	2.106	SLIP CORE	Rod # 200	
		148	562.81	565.86	3.05	3.17		Rod # 201	
		149	565.86	568.91	3.05	3.18		Rod # 202	
		150	568.91	571.96	3.05	3.01	SAND CLAY	Rod # 203	
		151	571.96	575.01	3.05	3.13	SAND CLAY	Rod # 204	
			575.01						
TOTAL					17.85	17.24	Percentage Recovered	97	%

Comments: Slipped core on run #200 pump down another tube w/ basket

Mud Used Tunnel
 Gel 30
 Polymer _____
 Soda Ash _____

Tic Gum
 Rod Grease 5
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval

DOSECC Approval

DOSECC DRILLERS LOG

LOCATION ND / MARGIN

Hole # M0029A

DAY _____ AM _____ AM

Angle 90°

Shift Started 6 ENDED 6

Date 7-5-09

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						Rod#	Safety mlg	
6:30		152	575.01	578.06	3.05	3.13	205		
		153	578.06	581.11	3.05	3.07	206		
		154	581.11	584.16	3.05	3.21	207		
		155	584.16	587.21	3.05	3.0	208		
		156	587.21	590.26	3.05	3.9	209		
		157	590.26	593.31	3.05	3.25	210		
	6:00	158	593.31	Drilling -		---			
TOTAL					18.3	19.56	Percentage Recovered		107.20 %

Comments:
~~_____~~
~~_____~~

Mud Mix - 3 Bags T-6 + 15 cups Enor = VCR58

Mud Used T-Gel 21
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Enor Gum - 3

Parts and Supplies
3 1/2 GALLONS OF HYDRO FLUID
1-# 15 Core Catcher

Client Approval 6/1/09 DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION AJ/MARGIN

Hole # M0029A

DAY ()

Angle 90°

Shift Started 6:00 AM ENDED 6:00 AM

Date 7-6-09

NIGHT _____ PM _____ PM

Rig # CS-4002

Job # _____

DRILLER Joey, Eric, DAVE, Shawn

3.05 ↓ OT

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30							Safety mfg/rig check	
6:30		158	593.31	596.36	3.05	1.59		Rod# 211	
		159	596.36	599.41	3.05	3.05	SLAY SAND	Rod# 212	
		160	599.41	602.46	3.05	3.18	CLAY	Rod# 213	
		161	602.46	605.51	3.05	3.04	SAND	Rod# 214	
		162	605.51	608.56	3.05	3.18	SAND	Rod# 215	
		163	608.56	611.61	3.05	2.91	SAND	Rod# 216	
								FIX WIRELINE	
	6:00	164	611.61	-				Drilling	Rod# 217
TOTAL					18.3	16.95	Percentage Recovered	93	%

Comments: (checked oil on sunbelt (2gal low) changed oil filter)
 fix WIRE LINE - 5m.h.

18.3 97
 17.86 100

Mud Used Tunnel
 Gel 30
 Polymer 57
 Soda Ash _____

Rod Grease TIC Gum 5
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
2 gallons oil & Filter # P551352
4-NICO clamps

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION AJ / MARGIN

Hole # M0029A

Angle 90°

DAY _____ AM _____ AM

Date 7-6-09

Shift Started 6:00 ENDED 6:00

Rig # C5-4002

NIGHT _____ PM _____ PM

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								
		164	611.61	614.66	3.05	3.01		Rod# 217	
		165	614.66	617.71	3.05	3.1		Rod# 218	
		166	617.71	620.76	3.05	3.24		Rod# 219	
		167	620.76	623.81	3.05	3.04		Rod# 220	
		168	623.81	626.76	2.95	2.95		Rod# 221	
		169	626.76	629.91	3.15	1.89		Rod# 222	
TOTAL					18.4	17.23	Percentage Recovered	94	%

Comments:

Mud Used TUNIK Gel 21
LIQAR Polymer 3
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
1 - HACKSAW BLADE

DOSECC DRILLERS LOG

LOCATION N.J. / MARGIN

Hole # M0029A

DAY Shift Started 6 AM ENDED 6 AM
 NIGHT PM

Angle 90°

Date 7-7-09

Rig # CS-4002

Job # _____

DRILLER JOEY, DAVE, ERIC, SHAWN

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
600	630		Site & Substr. check						
630		170	629.91	632.96	3.05	3.03		Rod#223	
		171	632.96	636.01	3.05	3.06		Rod#224	
		172	636.01		3.05		CLAY INTO HARD ROCK		
		172	636.01	637.33	1.32	1.62		Rod#225	
		173	637.33	639.08	1.73	1.66		Rod#225	
600		174	639.06	642.11	3.05	2.49		Rod#226	
		175	642.11						
TOTAL					12.2	11.86	Percentage Recovered 97		%

Comments: (6:30 a.m. - Test all 3 E-Stops (ok)) (6:30 a.m. - ^{visually} inspect wireline & mainline a few kinks in wireline but mainline is ok) (Put whip check on bit face base/Slaber base)

Mud Used
 Tunnel Gel 27
 Polymer _____
 Soda Ash 4

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval

DOSECC Approval

[Handwritten Signature]

[Handwritten Signature]

DOSECC DRILLERS LOG

LOCATION AJ / MARGIN

Hole # M0029A

DAY _____ AM _____ (AM) _____

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 7-7-09

(NIGHT) _____ (PM) _____

Rig # CS-4002

Job # _____

DRILLER Jerry, Kyle, Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30		Presplit Inspection						
		175	642.11	645.16	3.05	3.58		ROD# 227	
		176	645.16	648.21	3.05	1.22		ROD# 228	
		177	648.21	651.26	3.05	0		ROD# 229 Slip Core	
		178	651.26	651.55	.29	3.4		ROD# 230	
			Try to recover Slip Core						
		179	651.55	654.31	2.76	2.73	(11.93)	ROD# 230	
		180	654.31	657.36	3.05	3.10		ROD# 231	
TOTAL					15.25	14.03	Percentage Recovered	92%	%

Comments: Mud mix is 15 Guar + 3 T-Gel - Vick 65

Mud Used Gel 21
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
1-#12 core BASICET
ALN BIT # 9A5949 REPAIR

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

 LOCATION NJ/MARGIN

 Hole # M0029A

 Angle 90°

DAY

AM

AM

 Date 7-8-09

 Shift Started 6

 ENDED 6

 Rig # CS-4002

NIGHT

PM

PM

Job # _____

DRILLER

JOEY, DAVE, ERIC, SHAWN

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 and SAFETY meeting					
		181	657.36	660.41	3.05	2.4	CLAY	Rod# 232	
		182	660.41	663.46	3.05	2.88	HARD CLAY	Rod# 233	
		183	663.46	666.51	3.05	2.93		Rod# 234	
		184	666.51	668.86	2.35	1.79		Rod# 235	↑ 70
		185	668.86	669.56	.70	0.3	HARD CLAY	Rod# 235	
		186	669.56					Rod# 236	
TOTAL					12.2	10.3	Percentage Recovered		%

Comments:

Mud Used

Tunnel	Gel	<u>5 33</u>
	Polymer	_____
	Soda Ash	_____

Tic Gum	<u>6</u>
Rod Grease	_____
Cutting Oil	_____
Other (Specify)	_____

Parts and Supplies

Client Approval

DOSECC Approval

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

Angle 90°

DAY AM

Date 7-8-09

Shift Started 6:00 ENDED 6:00

Rig # CS-4002

NIGHT PM

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				Pre Shift				
		186	669.56	672.61	3.05	2.98 3.25		ROD# 236	
		187	672.61	673.81	1.20	1.75		ROD# 237	
		188	673.81	675.66	1.85	1.76		ROD# 237	
		189	675.66	678.71	3.05	1.68		ROD# 238	
		190	678.71	681.76	3.05	3.29		ROD# 239	
6:00		191	681.76	684.81	3.05	2.16		ROD# 240	
TOTAL					15.25	13.89	Percentage Recovered		%

Comments: CHANGED MUD MIX @ 4:00 - FROM 15 GUAR AND 3 BAGS TUNN TO 1 BAG TUNN AND 10 GUAR (MIX IN SAME BOWL) VISC OF 90

Mud Used TUNN Gel 27
GUAR Polymer 5
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
ALN BIT PCD Extended # 9A5089
3-#12 BASKETS

Client Approval _____ DOSECC Approval R. A. [Signature]

DOSECC DRILLERS LOG

LOCATION N.J. / MARGIN

Hole # M0029A

DAY 6 AM

Angle 90°

Shift Started 6 ENDED 6

Date 7-9-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER JOEY DAVE, FRIC, SHAWN

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
		192	684.81	687.86	3.05	3.52		Rod # 241	
		193	687.86	690.91	3.05	2.82		Rod # 242	
		194	690.91	693.96	3.05	2.69		Rod # 243	
		195	693.96	697.01	3.05	3.45		Rod # 244	
		196	697.01	700.06	3.05	3.02		Rod # 245	
		197	700.06		DRILLING			Rod # 246	
TOTAL					15.25	15.50	Percentage Recovered		%

Comments: File down @ 5:45 PM

Mud Used Tunnel 24
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies Tic Gum 6
2 #15 basket only

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

Angle 90°

DAY

AM

AM

Date 7-10-09

Shift Started 6 ENDED 6

Rig # CS-4002

NIGHT

PM

PM

Job # _____

DRILLER JOEY, DAVE, ERIC, Shawn

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 + SAFETY MEETING
		203	715.31	718.36	3.05	2.13			Rod #251
		204	718.36	721.41	3.05	1.47	SAND		Rod #252
		205	721.41	724.46	3.05	3.51			Rod #253
		206	724.46	727.51	3.05	1.82	SAND TO HARD ROCK		Rod #254
6:00		207	727.51	730.56	3.05	2.83			Rod #259
TOTAL					15.25	12.05	Percentage Recovered		%

Comments: rod #251 pipe fall Threw Chuck
Had to fix WATER LINE 6:35 - 7:20
ROD 251 Slipped 1 1/2 CORE INSIDE OF PIPE

Mud Used Turner Gel 12
 Polymer _____
 Soda Ash _____

Rod Grease 1-C Gum 6
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

Client Approval [Signature]

DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

DAY _____ AM (AM)

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 7-10-09

NIGHT _____ (PM) PM

Rig # CS-4002

Job # _____

DRILLER Jesse, Kyle, Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30				PTCSHIFT	INSPECTION			
		208	730.56	733.61	3.05	2.31		Rod # 256	
		209	733.61	736.66	3.05	3.58		Rod # 257	
		210	736.66	739.71	3.05	2.27		Rod # 258	
		211	739.71	742.76	3.05	2.55		Rod # 259	
6:00		212	742.76	745.81	3.05	3.16		Rod # 260	
TOTAL					15.25	13.87	Percentage Recovered		%

Comments:

✓ VISID @ 8:40 - 1 BAG & 10 QUAR - 85

Mud Used TUNN Gel 16
Quar Polymer 6
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
2 x # 15 BASKETS

R.A. Mast.

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # 00029A

DAY

AM

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 7-11-09

NIGHT _____ PM _____

Rig # CS-4002

Job # _____

DRILLER Joe, Erik, Dave

10' ↑ tubed ↓

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
6:00		213	745.81	748.96	3.15	0.26	Slip core	Rot # 261	
		214	748.96	749.06	0.10	0.53		Rot # 262	
		215	749.06	751.91	2.85	3.12		Rot # 262	
		216	751.91	754.96	3.05	0	Slip core	Rot # 263	
		217	754.96	756.65	1.69	3.49		Rot # 264	
TOTAL					<u>10.84</u>	<u>7.4</u>	Percentage Recovered		<u>%</u>

Comments: (all out of tunnel) gel go to a straight gun mix

Mud Used Tunnel
 Gel 2
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies
2 x #10 baskets

Tio Gun

Client Approval *[Signature]*

DOSECC Approval *[Signature]*

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # 10029A

Angle 90°

DAY

AM

AM

Date 7-11-09

Shift Started 6

ENDED 6

Rig # CS-4002

NIGHT

PM

PM

Job # _____

DRILLER Jesus, Kyle, Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
4:06	4:30		0.00	1.00	(NSP)				
4:30	5:00				Chocolate and dark rock				
5:00	6:00				Combine coating (water)				
TOTAL								Percentage Recovered	%

Comments: (Drill for lightning 145: 400) Torque a little higher when we hooked up + rotated

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

Parts and Supplies

[Handwritten signatures]

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

DAY (DAY) AM AM

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 7-12-09

NIGHT (PM) PM (PM)

Rig # CS-4002

Job # _____

DRILLER JOEY, DAVE, ERIC, SHAWN

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	6:30								
								SATT / meeting	
								changed OIL in CS4002	
								changed OIL in HEAD CS4002	
								CLEAN UP UNDER CS4002	
								CLEAN OUT mud TANK	
								PULL 1 RODS	
1:15	3:15							RODS STUCK, WORK	
3:15	6:00							RODS FREE, TRIP BACK	
								164.7 m (54 RODS)	
								OPEN HOLE LOG AT 570.26 m bsf	
TOTAL								Percentage Recovered	%

Comments: Changed OIL IN CS4002 - 7-12-09
concrete 325lbs - CLEAN UP UNDER CS4002
changed GEAR OIL IN Head on CS4002 7-12-09 REPLACE MAN F VALVES (2)
TAKE DOWN POSTERS CHANGED FUEL FILTER + WATER SEPARATOR

Mud Used

Gel _____

Polymer _____

Soda Ash _____

Rod Grease TIC Gum 14 _____

Cutting Oil _____

Other (Specify) _____

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

DAY _____ AM _____ AM

Angle 900

Shift Started 6 ENDED 6

Date 7-18-09

NIGHT _____ PM _____ PM

Rig # CS-4002

Job # _____

DRILLER JOEY, DAVE, ERIC, SHAWN

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00			4814				Still Logging		
	9:00						Pull Logging Tool out of hole by hand		
9:00	10:05						Reset Logging Tool on floor		
10:05	10:55						WORK RODS PUMP ON HOLE AS ON STICK		
10:55							FINISH SETTING UP Logging Tool TO START LOG		
	2:20						FINISH ONE LOG		
2:20	3:40						Pump on HOLE WORK RODS		
3:40	4:00						SETTING UP 2nd LOG TO RUN		
4:00	6:00						START RUNNING LOG		
TOTAL							Percentage Recovered	%	

Comments: (Fueled up green tank)

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 # M0029A

Angle 90°

DAY _____ AM _____ AM _____

Date 7-13-09

Shift Started 6 ENDED 6

Rig # CS-4002

NIGHT PM _____ PM _____

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	6:50								
6:50	7:20								
7:20	9:15								
4:45	5:15								
5:15	6:00								
TOTAL							Percentage Recovered		%

Comments:

Mud Used
 Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

Parts and Supplies

R.A. [Signature]

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M6029A

(DAY) AM

Angle 90°

Shift Started 6:00 ENDED 6:00

Date 7-14-09

NIGHT PM

Rig # CS-4002

Job # _____

DRILLER JOE, DAVE, ERIC, Shawn

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00	9:10							Logging Team working on Tool	
9:10								pump on hole turn rods	
	9:45							Bent rods and casing going down in hole	
9:45	10:20							Setup to check out casing	
10:20	10:40							CASING GOOD	
10:40	12:45							fixing Logging Tool	
12:45	6:00							Start Log	
					TOTAL		Percentage Recovered		%

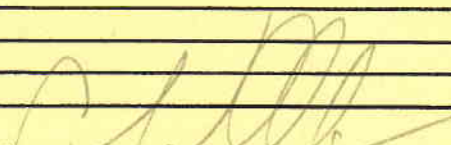
Comments:

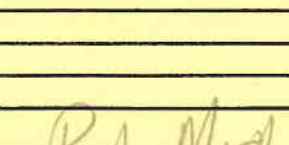
Mud Used

Gel _____
Polymer _____
Soda Ash _____

Rod Grease _____
Cutting Oil _____
Other (Specify) _____

Parts and Supplies

Client Approval 

DOSECC Approval 

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

Angle 90°

DAY _____ AM _____ AM _____

Date 7-14-09

Shift Started 6 ENDED 6

Rig # CS-4002

NIGHT _____ PM _____ PM _____

Job # _____

DRILLER Jesus, Kyle Steve

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:06	9:30		Log	hole					
9:30	1:47		Back	Beam	24-205				
1:47	2:00		Prep	for					
2:00	6:00		Continuous	Logging					
TOTAL							Percentage Recovered		%

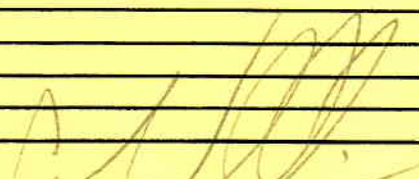

Comments:

Mud Used

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

1- B2-M20 gear 4.

Parts and Supplies

Client Approval:  DOSECC Approval: 

DOSECC DRILLERS LOG

LOCATION NJ / MARGIN

Hole # M0029A

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

Angle 90°
 Date 7-15-09
 Rig # CS-4002
 Job # _____

DRILLER JOE, DAVE, ERIC, SHAWN

TIME		CORE RUN #	DEPTH		FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
FROM	TO		FROM	TO					
6:00									
	8:00								
8:00	9:00								
9:00	3:08								
3:00									
	3:50	135							
3:50	5:05	137							
5:05	5:20								
5:20	5:40								
5:40	6:00								
TOTAL									
							Percentage Recovered		%

Comments:

Mud Used 5 Gel _____ Easy Mud 5 Rod Grease _____ Bleach 4
 Polymer _____ Cutting Oil _____
 Soda Ash _____ Other (Specify) _____

Parts and Supplies

Client Approval [Signature] DOSECC Approval [Signature]

DOSECC DRILLERS LOG

LOCATION NJ/MARGIN

Hole # M0029A

Angle 90°

DAY

AM

(AM)

Date 7-15-09

Shift Started 6

ENDED 6

Rig # CS-4002

(NIGHT)

(PM)

PM

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		Trip out		4-20 ^s				
6:30	7:00		Prep for logging						
7:00	9:00		Log hole		Can't	Get tool down			
9:00	11:50		Recon down		12-20 ^s	Pull Back	1-20 ^s	to 402.03	
11:50	12:05		Prep to log						
12:05	6:00		Log hole						
TOTAL								Percentage Recovered	%

Comments:

Mud Used

Gel _____
 Polymer _____
 Soda Ash _____

Rod Grease _____
 Cutting Oil _____
 Other (Specify) _____

2-52-200

Parts and Supplies

Client Approval

DOSECC Approval

[Handwritten Signature]

Bob Maddox