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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DOSECC DRILLERS LOG LOCATION Hole # Angle DAY AM Date Shift Started Rig# **NIGHT** Job# DRILLER TIME DEPTH CORE RUN# Activity / Purpose Materials FOOTAGE RECOVERED ROCK TYPE **FOOTAGE** FROM TO FROM CORED / Bits DOWN 745 TOTAL Percentage Recovered Comments: **Mud Used** Gel **Rod Grease** Polymer **Cutting Oil** Soda Ash Other (Specify) **Parts and Supplies** M/. 1. Marie

DOSECC DRILLERS LOG m0029A LOCATION Hole # Angle DAY AM Date **AM** ENDED / Shift Started Rig# **NIGHT** PM PM) Job# DRILLER DEPTH TIME Activity / Purpose CORE Materials FOOTAGE FOOTAGE TO RUN# FROM CORED RECOVERED ROCK TYPE / Bits 1442 1600 above sealed 0.0 AND 0 30 TOTAL Percentage Recovered Comments (Casing FO, 94) TAG BOTTOM WITH PO RODS AT 52.46M. +OP OF HEAD Mud Used Agu Gel **Rod Grease** Polymer Cutting Oil Soda Ash Other (Specify) Parts and Supplies 6VM 2 No Sag

LOCATION	ON	NJ/	Alorgin					Hole #	100	29A
								Angle	- 900	
	DAY				AM		AM	Date	6-21-	e 0
		Shift Star	ted (ENDED	6				
	NIGHT	Omit Otal	ied (`	1	- 0	-		CS40	02
	NIGHT				PM		PM	Job#		
DRILLEI	R	Tes	US, St	eve, k	(41e		- 1/	A Tube al		
Т	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE	10	Activity / Purp	ose	Materials
FROM	ТО	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE		Bits	
600	630		Presi	Vift.	Inspection	7				
630		4	3,85	6.9	3.05	.06	ALN	ROOF 1	8	
		5	6.9	9.95	5.05	.62	1/1	ROD#1	9	
		6	9.95	13.0	3.05	2.30	1/1	ROD#20)	
		67	15.0	16.05	3.05	1.25	11/1	RODER	/	
		8	16.00	19:10	5.05	1.22	1//	ROD#23	2	
		2607	17,10	20,10	3.05	.04	111	ROD# 2	3	
			2020	20.20	3.05	Manage of the second	NCAI	ROD# 2	1	
		10	25.20	20,2)	3,05	and the same	NCA	BODA 25		
		10	28,25 Alexandre	4	afterness de commence de la commence		Parameter of the second of the	ROD# 20	2	
10:00	10:35			1.1.	11-1					
0.00	0.00	10	2925	7120	770/6	6.2		ROD# 24	,	, ,
	12:00	11	3630	31.60	30	O t	FYN!	ROD# 26	A	N
	100 000	12	31/10	3435	2 75	015	NA	1800#27		
		10	34,35	2740	3.05	and the same of the same of	MICA		2 \	
			37.40	4040	3.05	-	NCA	ROD#2	X ?	
		13	40.45	43.56	3.05	.14	ATAI	ROD#30	7	
		14	48 50	44.50	100	29	A1 N/ "	RADAS C		
		湘町	4450	46.55	2.05	B of	NCA	ROD#31		
			46.55	49.60	3.05	Name (FIFE MARK WATER	NCA-	ROD+122		
		15	49.60	52.65	3.05	-56	AIN	ROD# 33	,	
		16	52.65	55.70	3.05	1-22	ALN	RAD#3	4	
	5:43		5-10,7	10	Tip out	fuar	7,1-7,0			
					1	•				
				TOTAL			Percentage I	Recovered	a ·	%
Commo	anto:	1	0				-			- 16
Lu 2=	ents: Mu	-	- 1 Aug	hat de	wo SAG + 10	Guar Vi	(400) CU	at (1200)	chen	ged .
1-No	560 -	10 Gu	in a	PAG T I	o (onon	VICEOS	Clooper	ranged to	and make	unne
	7									
			# 1							
										442.
Mud Us	ed T-	Gel	24			Rod Grease				
	*-	Polymer				Cutting Oil		Series Control of the		
		Soda Ash				Other (Specify)	And a second			
Parts ar	nd Suppl	ies			6	NOSAG-	12			
	BE 6		DREACE	1	ė	swar Eun-	Land Sand			
		Part.		3.33						
									1	
Olland	Amaraval	61	16 .	0				41	1//	1

N	ט	OSECC DRILLE	RS LUG			
LOCATION	NJINING	in			Hole #	Mas29A
55/A	7				Angle	-96°
DAY		AM	1	AM	Date	6-22-09
	Shift Started	ENDE	6		Rig#	454002
NIGHT	70	PM	1	PM	Job#	
DRILLER	Shoon Jag	Pave Doug	(
TIME	and the second	EPTH S FOOTAGE	FOOTAGE		Activity / P	urpose Materials
FROM TO	RUN# FROM	TO CORED	RECOVERED	ROCK TYPE	7 tourney 7 t	/ Bits
600 630	Site	of Soft they	*			
700 230	17/1	pout PQ to adju	ace cosing		ż	
230 330	0.00	2 mine Shirting	1:4+ bout	TriP i	. On 1 -	m holas (ss
330 5113	Run	The second second		+	V F (Q 1, C	M DOLLAS (AS)
5/0 /00	Heat	Seal ventous	Shut Quy	m to F	14	
and the second						
			x 16			
Approximately 1		TOTAL		Percentage F	Recovered	%
Comments: 3	Scolsin	o'A Run#17)	where ss	107 AA.		
Casina C	1-62.3)			,	- 111	
		K	00 +20 d	own - 6	16	
The state of the s	Gel 4		Rod Grease		Marin	
Auna	Polymer 4 Soda Ash		Cutting Oil			
			Other (Specify)			
	ies	1	111	1		est kit - Dri
Parts and Suppli				THE RESERVE THE PARTY OF THE PA	1 9 6	pel Vit = 1 hr.
		INDUD, DBFA	s head Sea	TETHES:		ed to
Parts and Suppli		1 W140, J Gra	s head Sen	TETHEN	2. / 1. 3	eal eri

#2

DOSECC DRILLERS LOG AFIER CASING APOUSTMENT I MARGIN LOCATION Hole # Angle DAY AM AM Date Shift Started ENDED Rig# NIGHT PM PM Job# DRILLER TIME Activity / Purpose CORE **FOOTAGE FOOTAGE** Materials RUN# FROM TO CORED RECOVERED ROCK TYPE / Bits TOTAL Percentage Recovered Mud Used TVNN Gel **Rod Grease** SAG Polymer Cutting Oil GVAR Soda Ash Other (Specify) **Parts and Supplies**

Client Approval & L. Marie

DOSECC DRILLERS LUG LOCATION Hole # Angle DAY AM AM Date **Shift Started** Rig# ENDED **NIGHT** PM PM Job# DRILLER TIME DEPTH Activity / Purpose Materials CORE FOOTAGE **FOOTAGE** FROM TO RUN# FROM TO CORED RECOVERED ROCK TYPE / Bits TOTAL Percentage Recovered Mud Used Gel Rod Grease **Cutting Oil** Polymer Soda Ash Other (Specify) **Parts and Supplies**

Client Approval

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DORECC Americal

Rod Madlen

LOCATION	ON	NZ	MARG.	IN				Hole# Moo	294
								Angle 90°	
	DAY				AM	1	AM)	Date 6/2	3/09
		Shift Start	ed 6		ENDED	/ **		Rig#	4002
(NIGHT			/	PM		PM	Job#	
	The second second		1/-				. ""		
DRILLEI	R (<u>rew</u>	/		Tyle				
FROM	ME TO	CORE	DEF FROM	то	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
Z.OO	7/30	RUN#	FROM	10	CORED	RECOVERED	ROCK TYPE	/ Bits	
7:30	8.00		Prac	6:14	Thenery	73/1/			
8:00	9:45		The second secon	northwide (P. Y Jant		(R	41) 11 - 10/-1	Bit & Res
9:45	10:30		Adjos	4 7	101 100m		100101	TAT WEIDEN	7317 - 13617
1030	11:00		Fart	6 7	rio in	At Fil	1001	00/421	
11:00			Pump	down	(NCA)	Bad roo	1 20		CA
	12:10		therew	Inspe	tion Bo	of Bon	lace R	d Fune NI	1
12:10	2:00		Contin	ve R	camina I	it on or	(CA)	lined up or	2
2:00	2:30		Rod ?	# 24	Pull G	1.CA)			
230	3:00		(NCA)	Fulle	+ Sand	Wash	out	VCA) & Pum	it do
3:00	4:00		Contin	e Re	omino	Hit BoHo	M		
4:00		×	69,36	70.36	1.00	water water water water	NCA	Rod #39	
		X	7036	73.41	3.05	Harris Vanagoritiga. Harris	NCA	Rod #40	
		X	73.41	76.46	3.05	strong years while	NCA	Rock#1	
	6:00	20	76.46	delle, Non sur	Drilling	postal value	46	Rod #42	ALN
						341		*	
			E. District			3.2			
						97			
			-3-				September 1		
							7		
				TOTAL	77	0/	Percentage	Recovered	%
Commo	ents: B	++	7432	22	Reamer	# 9A33	229		
11	VFW	Core	B.						
Roy	Count	es N	st regi	sten	16				
			3						
Mul	MIL	2 to	rnel + 1	NO 5	mg + 10 6	and Vic	C = 100		
Mud Us	sed T-	The state of the state of	24			Rod Grease			
		Polymer Soda Ash				Cutting Oil Other (Specify)			
		Soua Asii				NO SAG -	2		
Parts a	nd Supp	lies			(Other (Specify) No SAG - Gunt Gun	land .		
				11/11/11		-			
		*							
									,
Ollow	4 4	1.1.	Maria	Λ		DOSE	00.4	that Man	les

LOCATI	ON		NZ	5/ Ma	roin		Mass.	Hole #	Mod	29A
					cased			Angle	-90	The second second
,	DAY				AM		AM	Date	Taring to	4-09
		Shift Start	ed (ENDED	1	7.001			
	NIGHT	Omit Start	eu (Z	,		entransmit taken			C54	2002
					PM		PM	Job#		
DRILLE	R	Sho	Un, J	ay, c	Dave					
	IME	CORE	DEF		FOOTAGE	FOOTAGE		Activity / Pu		Materials
FROM	TO	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE		/ Bits	
630	630	20	Site.	1 Sofe	ty chec	K HO	A 1 4 1	0.1 井 //-		
000		ok O	70 51	14.51	3.05	0.48	AIN	Rod # 40	The same of the sa	
		X	92.5%	85.61	3,05	tool date date	NCA	ROA# 44) /-	
		21	85 41	99 44	3,05	0,05	AIN	ROAT 45		
		Y	22.66	91.71	3.05	V1U5	NCA	ROA 75		
		Ŷ	91,71	94.76	3.05	Marie Con Control (Marie Control	NCA	ROJ#47		
	130	22	94.76	97.81	3.05	16000 1600m 1600m 6000	AIN	ROJ#48		
		X	97.81			mary 1900s 450s 1650s	NCA	Rod#49		
130	430		got re	ds ste	ck while A	Illina ALN	Work Sti	1	+ aeH	ina Free)
	430		Tower	boat	to next	Partmet	ion (la	(m)	3	J
430	500		Ge+ H	Q Rea	dy to run	is and w	ish thro	Joh Pa	3) + +	044
	500		ani F	ree f	a.)		
500	600		trip	inw	bit & lo	Uking ada	Pter			
						_				
				4						
		1			y					
				1.0	4					
						•				
				TOTAL		0.53	Percentage I	Recovered		%
C										
Commo	enis:									
			3.							
			1							
Mud Us	ed Junn	Gel	24			Rod Grease	Want			
	0.00	Polymer	1			Cutting Oil				
	1	Soda Ash	0			Other (Specify)				
Parts a	nd Supp	lies								
10/11	011/10	1. 1. 1. 1. 1. 1.	G LCON	34 ONL	1					
									8	

Client Approval

DOSEGO A--

Book Marollan

LOCATION	ON	NAN	1ARG	TN				Hole #	M00	29A
								Angle	900	
	DAY			(AM		AM	Date	6-24	-09
		Shift Start	ed 6		ENDED	- Commencer of		Rig#	C5-	4002
(NIGHT			(PM		PM	Job#		
DRILLEI	R	Jesu	s, Kyle	, 5+	eve					
FROM	IME TO	CORE	DEF	то	FOOTAGE	FOOTAGE	The same of the same	Activity / P		Materials
6:00	620	RUN#	Presh	14-	nspection	RECOVERED	ROCK TYPE		/ Bits	
6:30	9:10		Wash	(40)	70 Boh	on of	(HQ)	Bit		1
9:10			Rima	Warls	+ to try	to War	h Behin	de PaQ)	
	1:00		Seal o	a reproduce (Posto	Get mo	re PS	T.		
1:06	1:10		Po//	01/	a a	(060)				
7:10	3:40	A	Tump	more	(a) Cl	4	101		con'	
3:40	4:10		Work	RON	(2) S/ow	to Avoid	Geting	Sundi	n (FCV)	
4:10	4:45		Pump	5 h	40/e C	Condition	2)	1662		
4:45	6:00		Pull B	ack	120-					
						7				
				•						
	The state of the s									
	1									
	1.		r.	4						
							H-			
								4 4 6 7		
				TOTAL			Percentage I	Recovered		%
Comme	ents: /	VISC	@ 4	-30 -	80 D	13 GUAR	0 =1	10/		
				- 10 2	Security Sec	I CAVAIL	L IVA	4V		
						v v				
Mud Us	ed TVNN	Gel	8			Rod Grease				
	GVAR	Polymer	2			Cutting Oil			Value 1	
		Soda Ash				Other (Specify)				
Parts a	nd Supp	lies								
		•								
							*			

LOCATI	ON	NJ	1 Mari	ain				Hole #	M0029A	
								Angle	-90°	
1	DAY			1	AM		AM	Date	6-25-09	-
	Tonas consta	Shift Start	- /-		ENDED	/	Ail			
		Siliit Stail	ieu 6				~	Rig#	CS4002	
	NIGHT				PM		PM	Job#		-
DRILLE	R	Show	n.Tar.	Dove						
-	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE	X-mail and	Activity / Pu	rpose Materials	
FROM	ТО	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE		/ Bits	
600	630		Site	L Safety	check					
630	730		Wash	Pa has	K to botto	n with a	ut tool	an andreas a s		
730		X	97.81	99,21	1.4	databr assatir (dasan databr	NCA	ROL# 48		
6.0	830	X	99,21	100,96	1.75	Som ROSSP alles Shallish	NCA	Rod#49		
830	1000	- N	Stop	tocate	LUP MU	dtank	16 1	Pad#49		3 -7 /
1000		X	100.96	102,26	1,30	polis respecto respecto respecto	NCA	NOC 11		1.301
		X	102.2h	105,31	3.05	enter Aprile spaties sidelle	NCA	Rod#50		
		X	Barbard at such 3	11 41	3.05	edito visitori pasti staton	NCA	Rod 51		1
		~	108.36	11.41	3,05	100 100 100 100 100 100 100 100 100 100	NCA	500 DE		
		-	114 111	17.76	2105	the day has the	NCA	1 # - U		1
		23	117.76	120.56	3102	0.9m	NCA	Ral# CE		
		94	120 6/	10000	217	0.05	AIN	0 1 II - 1		-
	-	X	120 73	123.11	0.88	C C C	ALV	PN FCL		0.88
		X	173 61	196.11	3.05	which which waste with	NICA	Q1#C7		0,00
		Y	171.11	129.71	3,00	nice 400s /saleti, reads	NCA	RNATES		
		Y	129.71	137 76	3,05	the state of the state of	NCA	DNJ#cg		
		X	137 71	135,81	3,05	military comments where we will be	NCA	RN#60		
	600	V	135.81	138.9/	3.00	centre 1925 shape repair	NC A	001#61		
		X	138.86	2010		500 VOCE 1000 -100	NCA	ROJ# L2		
						•				
				TOTAL			Percentage	Recovered	%	
Comm	ents: 9	1.81 R	10 [#] 40	141	Run 23			100		
		101 10		1, 1	And And					
	A		10							
Mud Us	sedTunne		62			Rod Grease				
		Polymer Soda Ash				Cutting Oil Other (Specify)	8-1-1100	<u> </u>		
		Coua Asii				Other (Opecity)	5-6-114			
Parts a	nd Supp	olies	1. ,							
J- Be	CAMIL	of cut	11-130 L- BASK	anfon	of Cuth	olDer/1-	penpe	infl cut	DOT)	
1-5	CHALL	Cho (o	19119 6	E7 4 10) ——					
								and a		
		A // I	occupation of the same of the					0	101	
011	4 Anneaus	· Wil	MARKE	William .		DOSE		95 1	Nadla	*

LOCATIO	ON	NJ	Inorgin					Hole # Moo!	2 9 A
			w/					Angle -90	a la
	DAY				AM		AM		-09
		Shift Start	ed	/2	ENDED	1	<u>Alvi</u>	-	
1	NIGHT	Offine Otare	eu		1	0			002
1	NIGHT			(PM		PM	Job #	
DRILLER	R	JESUS,	steve	, Kyle					
	ME	CORE	DEF		FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	6:30	RUN#	FROM	TO	CORED	RECOVERED	ROCK TYPE	/ Bits	
6:30	0.50	V	138.9h	141.91	spection 3.05	\$100 1036 1036 W204	NCA	Rod#62	
0.00		×	141.91	144.96	3.05	-	MCA	B 1413	
		X	144.96	148.01	3.05	was, error today comp	NCA	Rodt 4	
		25	1 4801	151.06	3.05	.12	AIN	Rod# 65	
		26	151.06	154.11	3.05	1.64	ALN	Rod# 66	
	12:00	27	15411	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	Rad#69 1	291
		30	161.97	169.0	2.61	.96	ALN	Rod# 70 1.	675
		X	164.64	16631	1.6/	with your name was	NCA	Roch #70	
		X	11021	1777	3.05	Experie Spain collisions (States)	NCA	Rod # 71	
		X	172.71	175.76	3.05	coron Males screen Margin	NCA	Rod#12	
			1 00 0 11 0	110010	20 1 Wall		NCA	110014-13	
							1, 3, 4, 5,		
			*						
							1 10		
							*		
				TOTAL			Percentage I	Recovered	%
0-			# ,						
Comme	ents: Ne	-X7 Run	#25						
is the					- 19				
						3			
Mud Us	ed T-		38			Rod Grease			
		Polymer Soda Ash				Cutting Oil Other (Specify)			
						Sun Gum-	6		
Parts a	nd Supp	lies					The company of the series and a series of the series of th		
		Herika b							
	 	*							

DOSECC DRILLERS LUG Hole # Angle AM Date AM **Shift Started ENDED** Rig# PM PM Job# DEPTH CORE RUN# Activity / Purpose Materials FOOTAGE CORED FOOTAGE RECOVERED FROM то / Bits **ROCK TYPE** AIN 1#77 0.20 #79 AIN AIN

	X	199,36	17086	0,50	distant results receive	NCA	ROL# 81
40	X	199.86	202.91	3,05	rates with wall reddly	NCA	ROJ#82
	X	202.91			DDS 400° - 400° -400°	NCA.	Ro1#83
92.1							
			a week				
	-						
					p + 3		
	Alexander of the second				and the second		
	•						
					e e		
				7			
	4 2 2 2 3 3						
omments:	Next	- 1/ 21	TOTAL	2744	2.60	Percentage	Recovered %
omments:	Nextro	n # 21		27/14	2.60	Percentage	Recovered %
omments:	Nextro	n # 31		2714	2.60	Percentage	Recovered %
omments:	Nextro	n # 31		27/14	2.60	Percentage	Recovered %
omments:	∕\\\ Gel	38			Rod Grease Cutting Oil		
ud Used Ju	Polymer Soda Asi	38			Rod Grease Cutting Oil Other (Specify)	gvo	
ud Used Ju	Polymer Soda Asi	38			Rod Grease Cutting Oil Other (Specify)	gvo	7-8
ud Used Ju	Polymer Soda Asi	38			Rod Grease Cutting Oil Other (Specify)	gvo	7-8

LOCATION

DRILLER

FROM

TIME

DAY

NIGHT

то

LOCATION	ON	NT/	NJ/A	Nacai	h			Hole #	029A
				J					100
	DAY				AM /		AM	Date //-	06-69
		Shift Start	ted		ENDED	66		Rig#	Hasnes .
(NIGHT				PM	15	PM	Job #	1002
DRILLEI	R	Te	SUSK	teve	7				
Т	ME	0005	DEF	OTH	773/			Activity / Durnos	Materials
FROM	ТО	CORE RUN#	FROM	то	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	iviateriais
600	6:30		Presh	A I	nepection				
6:30		X	202.91	205.96	3.05	and the second	NEA	ROO#83	
		X	205,96	269,01	3.05		Ne a	Rod#84	
		X	209,01	212606	33.05	A District Conference of the C	MIRON	Rod#85	
		S X	212606	215.4	3.05		MA	Rold #86	
		X	215.11	218,16	3.05	and and and	NCA	Rock# 37	
9:30.	19-13-19 y	^	218.16 Stan	221,21	3.05	June 100 Mars 100	NCA	Rod# 88	
20	18:36)7QA	- by	Yor Can	haing)	toon		
10:36	100		Pull	NC	4)				
	12:00	31	202.21	20\$26	3.05	.19	ALN	Rod# 89	
	1:00		Stand	by 1	or light	ing Stein			
1:00	2:22			1		and the second s			
2.22			Pump	down	ALN	4 Short C	reing		
		37	204,26	22731	3.05	2.09	ALN	Rad# 90	
		38	227.31	23036	3.05	1.32.	ALN	Rod#91	
		39	236,36	233.41	3.05	.02	ALN	Rod 492	
						*			
					*				
							A		
				TOTAL	30,50	3.62	Percentage I	Recovered	%
Comme	ents: «I	0110	10 #36						
11 1	5 C (a)	11:00	= 150	2%(2)	Y TUNN &	15 GUAR			
			Meaning and a second second	MAN AND AND AND AND AND AND AND AND AND A					
								er til	
Mud Us		Gel	35			Rod Grease			
	2 Sec. 3 April 201	Polymer Soda Ash	6			Cutting Oil Other (Specify)			
		Ooda Asii				Other (Specify)			
Parts a	nd Supp	lies		1					
Nest		1300 1	MI ARABE.	1	of the state of the	1011 *M		age of the	
		,							

Client Approval & Galleguis

LOCAT	ION	NJ/	MARG.	IN				Hole #	Moo.	291
								Angle	900	
	DAY			(AM		AM	Date	6-27-	
		Shift Star	ted 6		ENDED	6		Rig#		1002
	NIGHT				PM		PM	Job#		
DRILLE	:R	Show	, Dave	- Territoria				000 m	7	
		_					•		be V 10	21
FROM	TO	CORE RUN#	FROM	то	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE		Purpose / Bits	Materials
600	63n/		Side	L CAO	4 check	NECOVERED	ROCK TIPE	1	/ DILS	
630		40	233.41	236.46	3,05	0.7	AIN	Rod#	93	
		141	236,46	239.51	3,05	1.7	AIN	RIX	94	
		X	239.51	242,51	3.05	nate water	NCA	Pal# 0	20	
		X	242,5%	245.61	3.05	region transporm regions recipils.	NEA	RA1# 9	16	
		χ	245.61	248.66	3.05	manager matter, material, material	NCA	R01#9	7	,
		X	248.66	251.71	3,05	gains wealth again welling	NCA	Rod#9	8	
	4	X	251.71	254,76	3,05	Title with the second	NCA	ROD #9		
		X	254.76	257.81	3.05	The same was a same	NCA	a John	20	
	600	42	257,81	260.86	3.05	8	ALN	Rol#1	31	
		43	260.86				ALN	Rod# 10	22	
							•			
								200		
								4		
				1 2 2 2						
								Ĭ		
						- 12%				
	<u> </u>	<u> </u>			And all	. 10 : 3"				
				TOTAL	27,44	2.4	Percentage I	Recovered	26.2	%
Comm	ents:									
								34.5		
										A THE STATE OF THE
		NOI	- 01							*
Mud Us	sed UN	Gel	38			Rod Grease				
		Polymer				Cutting Oil				
	and a second	Soda Ash				Other (Specify)	1.70			
Parts a	nd Supp	lies	-	oncover an analysis (ii)						
1		areas		corel.	fer)					
		V	,							
										-

LOCATI	ON	NJ/	XXXgir					Hole # Moo	29 A
								Angle 96	3
	DAY				AM	, ,	AM	Date 6-27	1-09
		Shift Star	ted (ENDED			Rig#	1000
(NIGHT			(PM	0	- PM	Job#	1002
DRILLE	R	ter	S.Ster	ie Kui	le			Α.	
T	IME	CORE	DEF	PTH	FOOTAGE			Activity / Purpose	Motoriolo
FROM	то	RUN#	FROM	то	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
600	6:30		Preshi	A In	spection				
		43	260.86	263.91	3,05	.01	AIN	RN#102	
		44	26391	266.96	3.05	57	ALN	Rod#103	
		45	266.96	270.61	3.05	.21	ALN	Rodfloy Bit	9A5952
3		+6	27001	273.06	3.05	,22	ALN	Rod 4105	
	12:00	47	273.06	276.11	3,05	.92	ALN	Rod # 106	
		48	276.11	279.16	3.05	.24	ALN	Rod#1078,	+9A5951
		49	279 16	28221	3.05	,5	ALN	Rod# 108	
		56	282,21	285.26	3.05	2.7/	ALN	Rod#109	
		51	285.26	28831	3.01	2.89	ALN	Bod#110	
		4	*	*					
				•					
	- 19	*	a a						
*		•							
	N .								
									\$ 1
					. 4				
				4.					
				TOTAL	27.41	10.36	Percentage F	Recovered 3707	%
Comme	ents://	1 N	VIX H	Bags	T-6al +	- 15 /w			
					**				
Mudilla						1			
Mud Us		Gel Polymer	53			Rod Grease Cutting Oil			
		Soda Ash				Other (Specify)	Line 4		
Parts ar	nd Suppl	ies							
1	TABAL		RING	4 B	T) (TOOL)) **			
12:40	4 91	5953	19A5	951	ALM			\$7000KBar	
17,15	-27 1 5-3	1132	1 1712	1.21	Marine Marine				

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LOCAT	ION	NJI	MARG	TN				Hole #	Mod	129 A
								Angle		
	DAY				AM		AM	Date		-09
		Shift Start	ted 6		ENDED	6		Rig#		1002
	NIGHT				PM		PM	Job#		
DRILLE	R	Shau	n. Jay	Dave	,					
	TIME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / P	Urnose	Materials
FROM		RUN#	FROM	то	CORED	FOOTAGE RECOVERED	ROCK TYPE		/ Bits	Waterials
600	130		Site.	Sefet	check					
630		52	288.31	291.36	3,05	0145	AIN	Rod# 11		
		53	291.36	294,41	3,05	3.0	AIN	Rod# 11.		
		54	294,41	294.8	0.39	03994	AIN	Rod# 113	-	
	4	55	294.80	296.62	1.82	0.3	AIN	Kod#113		
	600	26	296,62	300,51	3,89	1.0	AIN	Rod# 113		4
	600	51	300,51	- Dr	illin		AIN	ROO# 115	5	
			20	- /						
			1	*97.83		The second				
								33.5 /		
							X			
										7
					CT COMPANY					
			eng.							(W)
						71,12		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
						1				
			Tage							
							17.5			
				TOTAL	12 20	4 75	Percentage	Populared	10° Cp	%
Comm	nents: M	inal /	Nix -	1 -	es Tbel	* 15 cy	12		30 i	15=1772
			, es			Silt .				
						3.88				
									•	
Mud U	sed	Gel	20	40		Rod Grease				
	1	Polymer				Cutting Oil				
		Soda Ash				Other (Specify)		1,1600		
Parts a	and Supp	lies			6	uir bam	- 9 8	>		
(neer	newl	plade.	For ba	ndsale	,)					
						•				
		À								

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LOCATION	ON	N.T /	MARG	TV				Hole # Moo 2	194
		/						Angle 90°	
k	DAY				AM	(AM		4-09
		Shift Start	ed 6		ENDED	6		Rig# C5 L	1002
1	NIGHT			(PM		PM	Job#	
DRILLEI	R	Tesus	1Ky	10	Heve			51 101	
TI	IME	CORE	DEF	тн	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	то	RUN#	FROM	то	CORED		ROCK TYPE		
6:00	6-30		Presh	14 I	yeation				
		57		303.56	3,05	2.32	AIN	ROO# 115	
		58	20356	306.61	305	2/3		RODALLA	
		10	206.61	312-26	3.05	297		PARHIIT	
	12:00	61	31271	21006	3.00	253		Roat 119	
		62	315.7%	318.81	3.05	1.9		Rod420	
		63	318.86	321.86	3,05	1,56		Rod4121	
		64 .	321.96	32491	3.05	2.46		Rod4,22	
		65	324.91	328.96	3.05	3.05		Rod#123	
							× 1		
		-							
	11.00								
1 1 1 1 1									
				70711		10 00			
<u></u>	/			TOTAL	27.45	21.13	Percentage		%
Comm	ents: √	VISC	@ 11	:00-	85 0	15 QUAR	+ 4 BA	GES TUNN.	
				4	(Management of the Control of the Co				
				2.54					
		The second							
Mud Us	sed	Gel	72			Rod Grease			
indu oc	GUIDA	Polymer	4	in the second		Cutting Oil			
	* *	Soda Ash	,			Other (Specify)			
Parts a	nd Supp	lies							

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LOCATI	ION	N	3/Ma	icain			Hole # Moos	29.4	
				0					0
	DAY			1	AM		AM		
			1	(6	AM		9-09
		Shift Start	ted 6		ENDED	0		Rig#	1002
	NIGHT	1			PM		PM	Job #	
DRILLE	R	Sho	unit	ay I	Pave			Tube V 10	1
Т	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	ТО	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE	/ Bits	Materiale
600	630		Site.	& Sofe	ty check				
130		66	32796	331,61	3.05	2.30	AIN	ROD#124	
		67	331,01	334.06	3,05	2.95	AIN	ROD#125	
		18	334.06	837.//	3.05	3.12	AIN :	RN#126	
	240	69	337.11	340.16	3,00	2.9	AIN	Rod#127	-
i i	600	70	340.16:	343.21	3,05	3.0	AIN .	Red#128	
		71	343.21				AIN .	Pad#129	
	11		A. A			231			
			4						
g+ 1									
					1				
			Carlos Carlos			1			
						No. of the No.			
<u></u>				TOTAL	15.25	1427	Percentage	Recovered 94	%
Comm	ents:	Having	to mai	Tibe	delik	4.			
				, , , , ,			11000	· J	
	*			1	*Marky				
						The state of the s			
	No.	(ala)			10,000	and the state of t	Kanana		
Mud Us	sed 10	WWel Gel	30)	1	Rod Grease	Application of the second seco	mental para constituti de la constituti de	
	A	Polymer				Cutting Oil			
	· No	Soda Ash	1			Other (Specify)	765		
Parts a	nd Supp	lies -	17			Aqua s	3		
MA	Ai	ct	: Iter	Same and the same		12-1-15-16-1	and the second s		
	8.								vina neda vide

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LOCATI	ON	15/	Mary	în				Hole #	29 A
			7					Angle - 40	O
	DAY				AM		AM	Date (-2	
		Shift Start	ed /		ENDED	6		Rig #	
(NIGHT)			PM		PM	Job#	2016
DRILLE	R	Jes	US, SH	leve,	kyle			Tubel o'A	
Т	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	то	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE		Widterfale
600	6:30		Pres his	4 In	spertion				
630		71	343.21	345.93	220	2.5	AIN	Rod#129	
		72	345.4.	348,46	3.05	2.99		Rad4130	
		73 :	353.46.	33836	3.90	3.37	1	Rod#13/	
	9.0	74 .	35236	355.41	3,05	2.33		had# 132 5.	ip Core
467		65 -	355,913	356,45	1.04	1.0		Rod# 133	/
	1:00	76	356.45: 358.46.	358.46	2.01	2.0		Rod# 133	
	0-00	// -	030176.	361,51	3.05	2.38		Rod#134	
							No.		
1-11-1									
					**				
		1			4				
	-615								
				1					
					(2 0	, , , , , , , , , , , , , , , , , , , ,		•	
				TOTAL	183	165/	Percentage I	Recovered 91	%
Comme	ents: //\	ML	x-20	cups	Cour Con	m + 6 B	ugs Ang	a Gel	
Mud Us	sed Arga	Gel Polymer	Con popular			Rod Grease		***************************************	
		Soda Ash	49400			Cutting Oil Other (Specify)			
Parts a	nd Supp		and the second	and I		NO SAG-	1		
Bi	x 91	753	73(h	o shi	lent.) h	uton	ALNI		
1-	O-RINI	The same of the sa	ALA	IDAM L	INER PL	16			
1-X1	2 BASK		span4						

LOCATION NJ/MARGIN								Hole #	Moo	29A	
								Angle			
	DAY			(ÂM		AM	Date	The second secon	0-09	
		Shift Start	ed 6		ENDED	6		Rig#		4002	
	NIGHT				PM		PM	Job#			
DRILLE	R	Shave	, Jay	, Dave				100	0个		
The same of the sa	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE			Purpose	Materials	
FROM	TO	RUN#	FROM	то	CORED		ROCK TYPE		/ Bits		
630	630	78	Sited	-Safety	rcheck	0 1		10 111	3		
6.30		79	361.51	2/7/1	3.0)	3.05		Rod#	4		
		80	367,36	371/1	3105	1.61*		To said	136 37		Slife
		85)	370,66	373.71	3,05	3,3		Rad# 1	21		21,16
		82	373.71	376.76		2:75		Ral#1:	The Party of the P		
		83	376.76	379,81	3,05	2.77		Axt#16	The second line is not a second line in the second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line in the second line is not a second line is not a second line in the second line is not a s		
	600	84	379.81	382,86		3.25		Rod# 14			
	SHAR	72	104,27			- 10 m					
						-1	N. 1	12.4		New Year	
				•							
							A THE STATE OF				
						. As					
						*				40.5000	
				TOTAL	0135	Variation 16 00	Daniel	2	0/2	04	
<u> </u>	1/	0.	~ CI	11 2	LKIIJJ	. 1	Percentage I			%	
Comm	ents: 🤺	COV	E 319	thow.	our-	baskets	proteno	nCalch	er spr	ing no soe	- OM
Mud Us	sed AQUA	Gel	60			Rod Grease					
	- Inchit	Polymer	900	IAR		Cutting Oil					
		Soda Ash	0 0	1	\	Other (Specify)					
Parts a	nd Supp	lies	251	10-1	The second	100 E					
		91	100								
									7		
		. ^	Λ.			ways.					

LOCATION	ON	15/	Magin					The second secon	029/A
	DAY						7	Angle -90	
	DAT	01:00:		1	AM	1	AM	Philipping and the second	30-09
/	MOUT	Shift Start	ed	0	ENDED	0			1002
(NIGHT				PM		PM	Job #	
DRILLEI	R	Jesu	s, Ste	ve Ko	yle		•		
	ME	CORE	DEF		FOOTAGE	FOOTAGE		Activity / Purpose	
FROM	6:30	RUN#	FROM	TO	CORED	RECOVERED	ROCK TYPE	/ Bits	
600	0.20	85	287.86	385.91	3.05	3,23		Ral#142	
		86	385.91.	388.96	3.05	2.93		Rod#143	
		87	388,96	39201	3.05	2.98		Rad 4144	
		88	392.01	395.06	3.05	2.6		Rod# 145	
	12:00	89	395.06	398.11	3,05	2-88		Rod#146	
		90	398.11	401.16	3.05	3.0		Rod# 147	
	600	91	404,21	404,21	3.05	2.85		Rod# 148	
	0-00	19	707,01	//	CILLING man.	and the sales		Rod#149	
								×	
		Live to the							
							7		
				Į.	* *				
				TOTAL	2125	0 10 110	Domeston I		/ 0/
				TOTAL	Y1022	20047	Percentage I	recovered 9	6 %
Comm	ents:			₹					
7						***************************************	11		
V V15	c Q	7:00	50	111	19C @ 1	2:00 50	/ VVISC	@ 5:00 Y	5
				•					
Mud Us	edawa Quar	Gel Polymer	60			Rod Grease Cutting Oil			
		Soda Ash	2			Other (Specify)		A Commission of the Commission	
Parts a	nd Supp	lies						1	
							k-a.		
							-90 ₂₀₁₋₁ -		
		*							
									9

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LOCATI	ION	NJ/	MARGI	N				Hole # Mod	129A
								Angle 900	
	DAY				AM	,	AM	Date 7-/-	09
		Shift Star	ted 6		ENDED			Rig#	4002
	NIGHT				PM		PM	Job#	
DRILLE	R	Shau	2 Jay,	Dave				ovor	
Т	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	ТО	RUN#	FROM	ТО	CORED	RECOVERED	ROCK TYPE	/ Bits	dio
600	630	Site	4 Safet	Hickey	205	All Control			
630		93	407.21	407.26	3.05	2.85		Rod# 149	7
		94	41031	410,31	3,05	3.0		Rod# 150	
		95	41331	11200	3,05	2.90		Ry # 151	
		96	411.41	419.46	2 - 5	3-31		R~1#153	
	500	97	41941	422,51	300	3,15		Ral#154	
		98	422,51	1755737	3/25	11/1		Rad # 155	
500	600	200	1:alta	in De	lay Had	Safetym	ectins o	n lightning	Pacedire
			1	J	1		J	370	TARSE CONT
								i out	
								<u> </u>	Programme 1
		1							
			No.						
					The state of the s				
L		anga da anga d Tanga da anga d		TOTAL	18.3	18,41	Percentage F	Recovered 101	%
Commo	ents:				es.				
				Same and the same			7		
				Alexander of the second					
Mud Us	ed to	Gel	66			Rod Grease			
		Polymer	00			Cutting Oil			
		Soda Ash				Other (Specify)			
Parts a	nd Supp	lies			N	O Sag .	and the second		
		1			-	ic Gua	1 7		
				,					
				-	000			wije oblika in sa	
			1	11	1/1/			- Was	
1		//	1	111	1111				

LOCATI	ON	MI	Xaryi	Λ				Hole #	294
								Angle -90	g
	DAY			,	AM		AM	Date 7-1-	09
	and the second	Shift Star	ted (5	ENDED			Rig# (54	002
(NIGHT				PM		PM	Job #	
DRILLE	R	Tes	US 51	leve,	kyle				
	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	то	RUN#	FROM	ТО	CORED	RECOVERED	ROCK TYPE		
600	6:30	Cice	Wesh!	HT INC	pection	1/2		delife	
6:30		98	425,51	1129 11	3.05	1.62	8	ROOT 155	
		100	428.61	4216	3.05	3,34		Rod# 156	
	12:00	101	431.66	434.71	3,05	3.25		ROOF 15/	
*	- ar. UC	102	424,71	437.76	3.05	3.03		Rod#158 Rod#159	
	The same	103	437.76	440.81	3.05	Λ.		0 111	Via C
		104	480.81	441.11	30	1.18		D. LH 160 D	116 Core
	6.00		Try 10	recov	e Slin	Core		Ka Halina 1 18 8	
			1		- m 11p	COZE			
				A SAME					
	*		*						
			35	TOTAL	SEV OF	1000		27	7
			- 34	TOTAL	10.60	15.44	Percentage I	Recovered	5 %
Comm	ents: /	hus N	Ux 6-	Auga	1200	as bum	· vide	146	
****	,			0.	0	1			
Mud Us	nod A	Cal	74	1		D-16		er da	
IMUU OS		Gel Polymer	17			Rod Grease Cutting Oil			
		Soda Ach				Other (Specify)			
	Gun		-			NO SAG- 4			
Parts a	nd Supp	lies	0111	6 01	1 - 470	_112			
0.1	RINGES	FOR 1	INGR	PLUG	170	<u>- wa</u>			
2. AL	N SHOE	5 (1-45	7 7	VEW)					
3-60	as LIG	Eas u	1/ SPRI	vles' (#10)				
				A14.			4		

LOCATI	ION	NJ/	MARG	IN				Hole #	M00	29A
								Angle	900	
, (DAY				AM		AM	Date	7-2-	09
		Shift Start	ed 6		ENDED	6-		Rig#	CS-	4002
	NIGHT				PM	(PM	Job#		
DRILLE	R	Show	1. Dave	2				27	5A -	Tuhe V
Т	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / F	The second secon	Materials
FROM	то	RUN#	FROM	то	CORED		ROCK TYPE		/ Bits	
12	630	100	Site d	Safty	cheak			000/1	, ,	
630		105	441.11	443,86	2.75	2.50		ROD# 16	2	
		105	44/291	44991	3.05	2.85		POPT 16	2	
		100	449.96	402 01	3103	2.29		RAN# 14	7	
		109	153.01	454,04	3,05	2-85		R0#16		
100	600	110	456.06	459.11	3.05	2.05		R 20#16	4	
		111	459.11	/	2:11%	16.7		ROD#16	7	
	1-12-2									
									1	*
					44.3					
									×	
			1.31							
				10 Ex 20 100 Ex			1			
								V		
								A Comment		
					- A					
							* 12.5			
							70			
								1 Line		
						1.0		J. M. A.		
<u> </u>				TOTAL	18:00	16.71	Percentage	Recovered	930%	%
Comm	ents: <	(SD)	d (1)	LAN	of Many	21-10 11	News	OVAP		
		116	9							
	VVIS	c at	11/107	PM	54	TO C. M	0			
Mud Us		Gel Polymer	14			Rod Grease				
		Soda Ash				Other (Specify)				
Parts a	nd Supp					Aqua 3	2			pet
	3 Wh	upche	1016	mudn	1001/2010	10 0 399 4				
				1/1	A A .					
		•		111	41					
		A	1	111	///	W. S.				
Clion	ot Approval	Trie	1/2/	W	10	DOSE	CC Approval	0	00	1

LOCATI	ION	NJ/A	Xoccin					Hole #	M0029A	
			2					Angle	-900	
	DAY		1		AM	, (AM		7-2-09	
	- Commence	Shift Star	ed (-		ENDED	_6			C54002	
(NIGHT			/	PM		PM	Job#		
DRILLE	R	Tec	15 St	eve, k	110					
	IME .	Loope	DEF		_		•		104	tariala
FROM	ТО	CORE RUN#	FROM	то	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Pu	/ Bits	terials
600	4									
		111	459.11	462.16	3,05	3.45	sano?	Rod# 1	(7	
		112	462.16	465,21	3.65	3.23		Rad# 16	8	
	12:00	113	466.21	117131	3.05	3.0		Rod#16	9	
	72.00	115	468.26	471.31	3.05	241		ROOF 1/		
		116	474.36	47741	3.05	278		Rod# 17	2	
		117	477.41	486,46	3.05	3.17		Rod#1	73	
	6:00	118	480.46	481.60	1.14	1.14		Rod#17	SI .	
					22.49					
				Prior Contract						
							i Palenti			
				TOTAL	22,49	2000	Percentage F	Popovorod	97	9/
				TOTAL		140185	rercentage i	kecovered		%
Comm	ents:					Tate .				
		L-		1						
		San	market market and	TX-	and the second s			and a test day.		
1		7		1			***			
V VIS	ec w	7:0	0 50	- V	VISCO	3:30 5	0			
Mud Us	sed TWA		22			Rod Grease				
		Polymer Soda Ash	4			Cutting Oil			bu	
	SAU	Soua Asii				Other (Specify)				
Parts a	nd Supp	lies								
		•								
		1						*		
Clien	t Approval	4/11	espee			DOSE	CC Approval	00	20 %	

LOCATI	ON	NJ/	MARG	IN				Hole #	M002	9A
								Angle		
	DAY				AM		AM	Date	7-3-0	59
		Shift Start	ed 6		ENDED	6		Rig#		1002
	NIGHT				PM		PM)	Job#		
DRILLE	R	Shau	, Dove	JOE	. Eric		Ĭ	19	11 0	A
Т	IME	CORE	DEF	PTH	FOOTAGE	FOOTAGE		Activity / F	The second secon	Constitution of the last of th
FROM	то	RUN#	FROM	то	CORED		ROCK TYPE		/ Bits	
600	630	110	Site	J- 504	lety chec	K				
630		119	481.60	483.51	1.91	0.37	***	179		
		120	483.51	486.56	3,05	3.03		175		
		121	486.56	489.61	3105	3.14		176	3.0	
		122	489, 61	492,66	3,05	3.03		177		
		123	492.66	495.71	3.05	3,09		178		
	-	124	495,71	498,76	3,05	2.86		179		
	600	125	498.76	- Dr.	11ing			180		
	*				1					
					1					
										4-1
					100					11
			The same of the sa	TOTAL	200121	15.52	Percentage I	Recovered	90	%
Comm	ents:				17.16					
					AND THE RESERVE OF THE PERSON					
			***	***			760			
						The officer has	5 /			
	TUN	INCL	フク			1'C GUM	4			
Mud Us	ed	Gel	00			Rod Grease	Photographic Assessment Control of the Control of t	eani		
		Polymer Soda Ash				Cutting Oil			-	
	* *	Soua Asil				Other (Specify)		1	-	
	nd Supp		Pach	UCKT	aws L D	(40)		,		
						ر ال	and the same of th			
		79		-//	111					
		• ^	1	11	////					
		/)	1 //	11/1	///			7)	1	

LOCATION	ON	AT/Max	gin						029/1
								Angle	100
	DAY		/		AM	, (AM	Date 7-	3-09
	- Company	Shift Start	ted 6		ENDED	6		Rig#	4002
(NIGHT			(PM		PM	Job #	
DRILLE	R	Jes	us st	eve, K	yle			01 10	1
_	ME	CORE	DEF		FOOTAGE	FOOTAGE		Activity / Purpos	e Materials
FROM	(G:30	RUN#	FROM	ТО	CORED	RECOVERED	ROCK TYPE		
6-30	0,70	120	49871	501.81	3,05	200		Rod#180	ECTION
0 - 200		126	50181	504.61	2103	205		Rod # 181	
		127	504.61.	507.91	33	74		Rod #182	
	12:00	128	507.91	510.96	3,05	3.2		Rod# 183	
	terrological and the second	129	510.96	514.01	3.05	3.35		Rod # 184	
		130	514.01	517.06	2.05	2.99		Rad#185	
		131	517.06	520.11	3.05	3,19		Rod# 186	
		132	520.11	523.16	3.05	3,2		Rod#187	
					X Comment				
				TOTAL	24,4	15123	Percentage	Recovered 161	3 %
						had the	I. c. cellade	AND THE PROPERTY OF THE PROPER	/6
Commo	The same of the same of the same of	15= -	1 00	. / /	01 -11	- 1			
- AL	7 114	<u>vc -</u>	L NE	WHI	-N SHO	E LEFT			
Mud	Mix-	4 Ban	T-64	120	cups Gu	w V132 =	65		
			1						
		1	- J	and the second second second					
Mud Us	sed T-	Gel	27	apper 1		Rod Grease			
		Polymer				Cutting Oil			
		Soda Ash				Other (Specify)	-		
Parts a	nd Supp	lies		1	6	uar Gum	Commence of the second		
		4							

LOCATION	NJI	MARG	W				Hole #	M0029A	
							Angle	M0029A	
DAY			4	AM		AM	Date	7-4-09	
	Shift Star	ted 6		ENDED	6		Rig#	CS-4002	2
NIGHT				PM		PM	Job#		5
DRILLER	Joe	Fric	Carr	e Show	\				
TIME		DEI	16	,		-	Activity /	Purpose Motorio	ា
FROM TO	CORE RUN#	FROM	то	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity /	Purpose Materia / Bits	IS
600 630		Site.	+ Soft	44 cleck					15P)
	133	523.16	526.21	3.05	3.12		Rod# 1	88	7
	137	52621	529,26	3.05	430		Rod# 1	89 (S): Péo c	are
	135	527,40 679 ro	E27.58	2 72	1.06		ROL#19	10	
	137	532 31	535,36	3,05	3,51		RALH	191	
	/38	535.36	538,41	3,05	2.56		Rodiff	192 (Shorte	
	139	538.41					Roda	£193	
		Ñ							
							- "		
	-								
	4					*			_
	1							ilio ano	-
									=
		vii ili						1	
	4								
	-								_
									-
									-
			TOTAL	15.25	12.84	Percentage I	Recovered	8406 %	
Comments:	0.000	M +		1	=)/		- Ell-West		
Comments.	Preshi	+/	NSPEC	Tion -	SAFETY	MEETIN	15 /1	ard HaTs= Ey	E PRO ICO
						44	7.7		_
111			-						-
				346, S	11-11-11-11-11-11-11-11-11-11-11-11-11-				_
	NNel	31	\	7	Rod Grease	5			_
Mud Used	Gel Polymer	20)		Rod Grease Cutting Oil				
	Soda Ash				Other (Specify)			-8	
Darte and Com	nlies				· e	ľ		-	
Parts and Supp		10							
		- W ₁						The second second	
	-						***		<u>- r</u>
								11.000	

LOCATION		NJI	MAA	GIN				Hole # MGO	299	
						×		Angle 906	.	
	DAY				АМ	(AM	Date 7-4-6	59	
		Shift Start	ed 6		ENDED	1017		Rig# CS-	1002	
	NIGHT			(PM		PM	Job#		
DRILLE		JESU	5. 57							
FROM	TO	CORE RUN#	FROM	ТО	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials	
600	(30	SITE	CAFET	y Ch	pCK					
		139	538,41	541.41	3.0	278		Ro 1#193		
		140	541.41	144.51	3.10	3,55		Rod#194		
		141	544,51	547.56	3.05	3.0		Rod# 195		
	1200	142	547.56	550.61	3.05	3,33		Rod# 196		
		143	550-61	656.71	3.05	3.06		Rod#197		
2		145	65671	557.16	.45	-66		Bod#199 20	Of T	
		110	Tu 1	reroug	5/10	7.70		NOOF 1 1 1 2 2 4		
				1.000		A/E				
	Ti i				e de					
				.0						
								2.00		
		-								
		-			12-12-20					
							W.			
						, t				
				TOTAL	18.75	18 .16	Percentage I	Recovered 97	%	
Comm	ents:				22402					
		No.								
								74 W. W. W		
1			7							
/ VIS	(Q -	1:00	55	***		**************************************				
Mud Us	ed	Gel	21		. ~	Rod Grease				
		Polymer				Cutting Oil				
Other (Specify)										
Parts and Supplies										
	Love li	LIEN/Sp	anc, c	umba =	1 collet	style liter	Case			
						- 17				
		,								
							TOWN I			
	the second second		The second second					manufacture and the second		

Client Approval

DOSECC Approval

CON

LOCATION	AJ/	MAR	GIN				Hole #	moo	29A
							Angle	900	
DAY				AM		AM	Date	715-0	59
	Shift Start	ed 6		ENDED	6		Rig#	C5-4	1005
NIGHT				РМ		PM	Job#		
DRILLER	JOCY	, ER	C, D	AVE, SHO	seun				
TIME	CORE	DEF	_	FOOTAGE	FOOTAGE		Activity / P		Materials
FROM TO	RUN#	FROM	TO	CORED	RECOVERED	ROCK TYPE		/ Bits	
6,00 (6,1)	146	Pres	T 597	2 /4	2/9		ROL#	199	
	142	15976	22 981	5.60	210/2	SUPCOGE	DOLD	200	
6.70	148	54281	56586	3.00	3.17	3110-016	ROLT	21	
	149	565.86	568.91	3.05	3.18		ROOM	202	
	150	568191	571.96	3.05	3.01	SAND	RODAT:	203	
	151	571.96	575.01	3.05	3.13	SENE	ROJ#	204	
		57501							
						x			
	1. 14 (1) (1) 4. (2)								
	<u> </u>	100			3				
	6		TOTAL	17.85	17.24	Percentage	Recovered	97	%
Comments:	51,0	CD C	06-	on all	#200	PUMP	Down	900	The Tut
W/ ba	KET		(4)		Andrea de la	1 2 1 1 1			
	The second second								
									9
The	UNE Gel	0	7	aspertage serva	Rod Grease	Summer		San Berne Refugie	
Mud Used		_5(<u> </u>			aga entones sobbacado escocamo constituido	escopiote/lib	-	
	Polymer Soda Ash				Other (Specify)			-	
Parts and Sup	plies								
-3/1 CA	10/45	To the second				(Carrier of the Carrier of the Carri	4		
	1194		16.00						
			//	nl					
	1		111	111					

LOCATIO	ON ,	NJ/	MARC	SIN				Hole #	M002	94
	•							Angle	900	
	DAY				AM		ÂM	Date	7-5-	09
		Shift Start	ed 6		ENDED			Rig#	CS-	4002
6	NIGHT			(PM		PM	Job#		
DRILLEF	2 /	Lacus	: 54	eve,	K/a					
	-	1 (-) (-)		/	/					
FROM	ME TO	CORE RUN#	FROM	ТО	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / F	Purpose / Bits	Materials
6:00	6:30						Rodat	Soleta	mla	
630		152	575,01	578.06	3.05	3.13	205	0 _	7 7	
		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	570.26	3.05	3.9	209			
	6:00	157	1990,26	593.31	5,05	3,25	210			
	6.00	30	59331	Ur	illing -	retifies stiffing, gentler steps				
	Date of the									
*										
						,				
				TOTAL	18,3	19.56	Percentage	Recovered	1070	20 %
Comm										
Comme	ents:	340	SER	14230	87					
- Company				the same of the sa						
Mud	Mex	3 B	as T-1	5-c17	15 caps	Gu = V	2K38			
Mud Us	ed T-		21			Rod Grease				
		Polymer Sodo Ash				Cutting Oil				
	Soda Ash Other (Specify) Gran 6 m - 3									
Parts an	Parts and Supplies									
13.17	GRACE	ONS	OF I	MORO	FLVID					
1-11	0	OVA: I	MAPLOT ()	74 46						

LOCATION Hole # Angle DAY AM Date AM ENDED 6 Rig# Shift Started **NIGHT** PM Job# PM

Joey, ERIC, DAVE, Shawn

DRILLER			1.6-7-7-0	1			- 3.05 少 0个				
FROM	ME TO	CORE RUN#	DEP FROM	TH TO	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose Materials / Bits			
60	6:30				001120	NEOUVENED	ROOKTHE	safeti mta/trachecle			
6:30		158	59331	5 96 38	3.05	1.59 -		Rod#,2113			
		159	596.36	599.41	3.05	3.05	SLAY	Rod#212			
		160	599.41	602 HB	3.05	3.18	CTAYO	RAJ#2/2			
		161	602,46	605.51	3.05	3.04	SAND	Rof#214			
		162	605.51	60856	3.05	3.18	SAND	ROS#215			
		163	608.56	611,61	3.05	2.91-	CAND	ROLAZI6			
				9				EXHIPELINE			
	600	164	611.61		Drillian			Rod# 217			
						W-11-20-889-18					
		1.00									
							141	3. The second se			
EARLY V				•	12						
100		-									
		7	1								
							· · · · · · · · · · · · · · · · · · ·				
		-				8					
					V - V	1					
				TOTAL	18,3	11,95	Percentage I	Recovered 93 %			
								7			

fix WIRF LINE	oil on Symbell (2	gal low changed oil	Filter)
TIX WICE LIAB	3/1/1/1		
	18.3 77		4
	17.86 107		SIERCE CONTROL OF THE SECOND CONTROL OF THE
Mud Used Man Gel	30	Rod Grease	
Polymer	541.4	Cutting Oil	
Soda Ash		Other (Specify)	
Parts and Supplies	FHer P55	1352	
4-WICO Clam	5		
	1111	TRIPMAS TO SHE AN AVERAGE TO SHE AVERAGE TO S	
· ^ ^	11111		
Client Approval	[[]	DOSECC Approval	-> CO

LOCATION	ON	AJ/	MARC	alN_				Hole # Mad	29A
							/-	Angle 90°	
1	DAY				AM	6:00	AM	Date <u>7-6</u>	- 09
		Shift Start	ed 6:0		ENDED	6.00		Rig #	4002
	NIGHT	1 = 2	er a o		PM		PM	Job #	
DRILLE	R	DESIL	5, Ky	10,	Steve	3.5 3.5 (Fig.)			
	IME TO	CORE	DEF		FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	TO	RUN#	FROM	TO	CORED	RECOVERED	ROCK TYPE	/ Bits	
0.00	8.30	11.4	11111	61414	305	3.01		Rnd#217	
		165	1.14.66	6/7.7/	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 4 220	
	1.5	168	623.81	626.76	3.95	2.95		Rod#221	
		169	626.76	629.91	3,15	1.89		Rod#222	1:
				= 1				1	
<u> </u>		-							
						100			

						V- 11			
								7	
_		-							
	_	1							
		-	-			w.			
	<u> </u>	<u> </u>	<u> </u>	TOTAL	18.4	17 12	Persentana	Recovered 94	0/
				TOTAL	101	1/1/5	Percentage	Recovered	%
Comm	ents:							· ·	
			>			>			
								The second secon	
									7
Mud 13s	ed TUNI	Gel	71			Rod Grease			
inda oc		Polymer	3			Cutting Oil			
	301	Soda Ash				Other (Specify)			
Parts a	nd Supp	lies				-		- 5	
	FACKSI	AW B	LADE	114					
							- Utakin mina		
		•							
		711.23	1818						

LOCAT	ION	NJI	MARG	IN				Hole # MOC	29,4
		7							Ó
	DAY				AM)		AM	Date 7-7	-09
		Shift Start	ted 6		ENDED	6	_		-4002
	NIGHT				PM	(PM	Job #	
DRILLE	ER	JOEY	DAVE	ER.	C, Shall	wn	To a		
	ГІМЕ	CORE	DEF	РТН	FOOTAGE	FOOTAGE		Activity / Purpose	Materials
FROM	ТО	RUN#	FROM	то	CORED		ROCK TYPE		
674	630	170	67991	13791	3 AS	3.03	Per	4223	
0.50		171	632.96	636,01	3.05	3.06	1870	Ral#224	
		172	beat.		(BEE)	CLAY INTO	HARDRICK		
		172	636.01	637.33	1,32	1.62	HI NAME	Rod# 225	
	-	173	637.33	639,06	1.73	1.66		ROL#225	
-	600	174	439.06	642.11	3.05	2,49		ROJHZZA	Ś
-		175	642.11						
		- AP		- 4					
	+								
-	-								
-	+		-						
	+								
					1	1			
				1					
	1			IA			-		
<u></u>				TOTAL	17.2	11186	Percentage	Recovered 97	%
Comn	nents:	13000	1 - Tes	+ 41/3	E-Stop	(OK) (6	:300 m	- inspect w	inclined
main	by Pace	LECUS LASOLS	Isher la	in her	reline bu	+ minli	ne isa	K) (Put whi	PcLeck
			TOWER VI						
						, III			7
		Smel							
Mud U	sed	Gel	2	7		Rod Grease		- Linear Community	
	, war	Polymer Soda Ash	L	·f		Other (Specify)		1000-200-200-2 0	
				7		E .	***	r en	
rarts a	and Supp	lies			^				
			V		1				
				1//	7 11)	-			
		* /			11/				
		-/-	1	(M)	//			\rightarrow	
Clie	nt Approva	1	Sh	1	4	DOSE	CC Approval	Food Nh	malle -

DOSECC DRILLERS LOG AJ/Margin LOCATION Hole # Angle DAY AM AM Date ENDED (100 Shift Started 6.00 Rig# NIGHT PM Job# DRILLER DEPTH CORE Activity / Purpose Materials **FOOTAGE FOOTAGE** FROM TO RUN# FROM TO RECOVERED ROCK TYPE CORED / Bits 175 TOTAL Percentage Recovered Comments: Mul milis 15 quar + 3 t-Gel - Vick 65 Mud Used Gel Rod Grease Polymer **Cutting Oil** Soda Ash Other (Specify) Guar Gum. **Parts and Supplies** Client Approval

DOSECC Approval

LOCATIO	N	NJ/	MARG	TN			Hole #	M000	194		
								Angle	900		
(1	DAY				AM		AM	Date	7-8-0	09	
		Shift Start	ed 6		ENDED	6		Rig#	CS-	4002	
	NIGHT				PM	/	PM)	Job#			
DRILLER		JOES	1. DI	AVE,	Eric .	SHawn					
TIN		CORE	DEF	TH	FOOTAGE	FOOTAGE		Activity / Pu	ırpose	Materials	
FROM	TO	RUN#	FROM	ТО	CORED		ROCK TYPE		/ Bits		
6:00	6:30	101	1572	Presh	3.05	2.4	L SAFT	1 Meetin	19		
		187	ELD 41	1424/	3.05	250	MARA	D addte '	723		
		183	663.41	666.51	3.05	2.93	CIAY	DAL#	234		
		184	66651	668.86	2,35	1.19		ONLH	234		1
		185	618.86	669 56	.70	0.3	12891	ROLA	235		
		186	669.56		DRILLING		04.54.70	Rot#	236		
			17. 14. 14.								
							156				
			titore or go		4						
							A.				
								1 × 1			
						(
		-									
				37							
							Walt A				
				TOTAL	12.2	10,3	Percentage I	Recovered		%	at a
Comme	nts:										
									300	the stage of	
										94645	
							a de la companya de			•	
a	73.4	1	77.7								
Mud Use	Tun	nel	5	5		Tic Gum	by warmen	weeken 2000 management			
Mud Use	ed	Gel Polymer	3	3		Rod Grease Cutting Oil					
		Soda Ash				Other (Specify)					
Dest	40										
Parts an	a Supp	iles									
3 :	1 12	788.									
				/	7.7.4						
		* /	1	1/	1/1/						
		/)	//	1//	/ ///			1)	1		
Client	Approval	us	SIN	11	11.	DOSE	CC Approval	A Sol	Marc	x Jan	•*

LOCATION	ON	NJ	MAR	GIN				Hole #	M0029	A
								Angle	900	
	DAY				AM		(AM)	Date	7-8-0	9
	Samounia	Shift Start	red 6:00)	ENDED	6:00		Rig#	C5-4	062
	NIGHT				PM		PM	Job#		
DRILLE	R	JESU	5, Ky/e	Sta	e					
ТІ	ME	CORE	DEF	/	FOOTAGE	FOOTAGE		Activity /	Purnosa M	faterials
FROM	то	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE		/ Bits	iateriais
6:00	6:30	100	11051	Roman I	Preshift					
		186	667,36	672.61	3,05	Tunning 3,	25	ROD	# 539	
		100	17201	613.81	1.85	1.75		ROOM	237	
		189	17561	615.66	3.05	1.68		PUL	23/	
		190	678,71	681.78	3.05	3.29:		Rody	239	
	6:00	191	681.76	6 84.81	3.05	7.16		Rod# 8	246	
					4 1					
									to Minds	
							•			
	# 12 2									
					у.	•				4.75
		J		TOTAL	15.25	12,89	Percentage I	Recovered		%
Comm		110.115	2 44		. 0					
to	BAC	1 TV	NN. AIN	D 10	GUAR (:00 - FR	CAME	ROUNCE H	NO 3 BA	45 TUNN
					The same of	TONA IN	SAIT		VISIO VE	- September
										•

	appear of a	/	11-1							
Mud Us	edTUNA		41			Rod Grease			_	
	WINK	Polymer Soda Ash				Cutting Oil Other (Specify)			_	
De-d-	-40									
A/A/	nd Supp	PCD	Fxton	ded so	945080					
3-3	#12	Brek	ETS	77	- 2000					
			ж.							
			4					1		

LOCATIO	ON	NJ	/MAR	GIN				Hole #	Moo	29A
								Angle	900	2
(DAY				AM	ا موجود ا	AM	Date	7-9	-09
		Shift Start	ed		ENDED	6		Rig#		4002
	NIGHT				PM		PM	Job#		7000
		TOLLY	4 0.7	- 100			LIM	300#		
DRILLER		JULI		-	10,5ha	WN			110	
FROM	ME TO	CORE RUN#	FROM	TO TO	FOOTAGE CORED	FOOTAGE		Activity / P		Materials
		TOIT#	7110111		CORED	RECOVERED	ROCK TYPE		/ Bits	
		192	684.81	687.86	3.05	3.52		Rod#	241	
		193	68786	690.91	3.05	2.82		RULH	245	
	\\	194	69091	693,96	3,05	2.139		Rod#	243	
	4	195	693,96	647.0	3.05	3.45		Kodt	£244	
		197	700.06	100,06	3.05 DRIII	3.02		ROL+	+ 24	,
		11.7	7000	TAT	1215111	105		12007	F < 7.	00
										12.33
									X	
			30	000						
			9.							
	***							10-		
			-0-							
					34					
			H-w-		As A					
								\		
				TOTAL	15-25	15.50	Percentage F	Recovered		%
Comme	nts:	ice of	NO	0 40	Om.					
					1-11	V		u y deller		
			Y				1			
			7		السلاسي				over pitch	9
				The Windson					-	
Mud Use	ad Tu	Gel	211			2-10				
MUU US		Polymer	21			Rod Grease Cutting Oil		···	8 1	
		Soda Ash				Other (Specify)			10. -3	
Parts an	d Supp	lies			-	it laim	6			
2	HIY	baske	town						M.E.	
	- whosh				^				 	
			1 (4)	10	1/1	50 mm d===				-
-		· A	-/	1////	//			1		
	Approval	1	1 4	(1)	1	DOSE		KI	M	a/l.

NJ/ MARGIN LOCATION Hole # Angle DAY AM AM Date ENDED 6:00 Rig# **NIGHT** Job# **DRILLER** TIME DEPTH CORE FOOTAGE Activity / Purpose Materials **FOOTAGE** FROM TO RUN# FROM TO CORED RECOVERED ROCK TYPE TOTAL Percentage Recovered Comments: E Mud Used T- Gel **Rod Grease** Polymer **Cutting Oil** Soda Ash Other (Specify) Gun Gum **Parts and Supplies** - # 17 BASKET **Client Approval DOSECC Approval**

LOCATION	ON	NJ/	IARGI	N			Hole # Moo	29A	
						14	-	Angle 90°)
. 6	DAY			(AM		AM	All the state of t	-09
		Shift Start	ed 6		ENDED	6		Rig#	4002
	NIGHT				PM	/	PM	Job #	
DRILLE	R	TOPY	DA	WE	FRIC	Shawn		·	
FROM	ME TO	CORE RUN#	FROM	ТО	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / Purpose / Bits	Materials
6:00	6:30			presH	A INSO		SAFFU	meeting	
		203	715 31	71836	3.05	2.13		Roof#.251	
		204	71836	721.41	3.05	1.47	SAND	RQJ#252	
		205	721.71	724.46	3.05	3.51	5AN 070,	ROL# 253	
	600	206	727.76	73056	3.05	1.74	Hap poort	ROJ # 254	
	600	207	141.21	130.56	3.05	500	2.00	KUAFESY	
				-8					
				1					
			6						
		×							
		//							
				•					
					h				
				TOTAL	15.20	12,05	Percentage I	Recovered	%
Comme	ents:	Pod Fix	#25 WA	TEQ	PIPE .	6:35	brew - 7:7	Chuck	
ROI	25	1 51	pel	13	CORE I	NS, DE OF	Pipe		
								1 miles representation	9.
	8.33 II III.	ı							
Mud Us		Gel	12			Rod Grease			
		Polymer Soda Ash				Cutting Oil Other (Specify)	·		
						outer (opecity)	*	70.07.46-	
Parts a	nd Supp	lies							
				1	4	-			
			1	11	11			****	
		1)	_/_	111	///	·		0	4

DOSECC Approval

LOCATI	ON	NJ.	MAI	RGIJ	V		_	Hole #	modi	29A
							0	Angle	90	
	DAY		1.4		AM	6:00	AM	Date	7-10	the property of the same of
		Shift Start	ted 6:0	0	ENDED	6.00	→ 11	Rig#	CS - 4	2 001
	NIGHT			(PM		PM	Job#		
DRILLE	R	Vesui,	Kyle	Sto	ve		-			
	IME	CORE	DEF	TH	FOOTAGE	FOOTAGE	<u> </u>	Activity / I	Purpose	Materials
FROM	то	RUN#	FROM	ТО	CORED	RECOVERED	ROCK TYPE		/ Bits	
6:00	6:30	200	The state of the	7	Preshift	INSPECT	10			
		208	730.56	735.6	3.05	2.31.		ROL#	256	
		210	722.11	12666 72971	3,05	2.28			257	
		211	78971	74271	3,05	2.56		1500 #	258	
	400	212	1427/2	745 81	3.00	3.16		Rad H	2/0	
	lare	à		10 101	-1/47	2 10		1100 44	X 60	
					4 H		1			-
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				(6)						
		-								
			100			*				
				-						
	7	-						*		
	14									
									-	
						1945				
			-	TOTAL	15.25	13.87	Percentage F	Recovered		%
Comme	ents:						247.04	-FI		245-2-14
								25		
				-		***		+)		
				1						9
VVI	SC 10	8:4	0-1	BAGE	10 CEVAR	- 35				
Maral			16							
Mua Us	edtund		(0			Rod Grease Cutting Oil			=	
		Soda Ash				Other (Specify)			-	
Darts	nd C	i	-							
rans ar	nd Suppl	1 es	KETS.							
						Nilsham no e-sono 14		. X	100 100 100	
					4.			-	****	-
	17-12-20-12-2									

DOSECC DRILLERS LOG NJ/MARGIN LOCATION Hole # Angle DAY AM AM Date ENDED 6 100 Shift Started 6:00 Rig# **NIGHT** PM Job# **DRILLER** De Erik Dove 101 Tuber Activity / Purpose TIME DEPTH CORE FOOTAGE **FOOTAGE** FROM RUN# FROM TO CORED RECOVERED ROCK TYPE / Bits TOTAL Percentage Recovered Mud Used TUNNE Rod Grease Polymer Cutting Oil Soda Ash Other (Specify) Parts and Supplies

LOCATION	V ,	NJ/	MARI	GIN	/	e a	_	Hole #	2100	29/-
		1						Angle	900	
D	AY				AM	(AM	Date	7-11	-09
		Shift Start	ed (ENDED	6		Rig#	0-	500a
(N	IGHT)		1	PM		- PM	Job#		
DRILLER		Te	rus, &	Je.	Strue				-	
TIME	-		DEF) TU						
FROM	TO	CORE RUN#	FROM	ТО	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity /	Purpose / Bits	Materials
1 06 3	130		600	1201	- (USP)			3		
430	00		Cites	lote	onel o	100 4 Pos	K	*		
5.00 6	300		Conti	que 6	pening t	other				
			25		1			N.	10	
					- 2					
				9						
					8	- 1				
-			3,							
				112-22-		27				
	0.00									
				TOTAL			Percentage I	Parovared		%
-	. ,	· ^				. \			*******	70
Commen	ts: (LAWA	FOR	ighthin	ng 145, 4	Robbes	we co	little		
	N. C		MAR I I	AL MOS	erro ur	- KCHCHCA "		a		
									12	
	, line-pe								7100000	
		-								
Mud Used	d	Gel				Rod Grease			as I	
		Polymer				Cutting Oil			_ {	
		Soda Ash			- guar	Other (Specify)			- 1	
Parts and	Suppl	ies								
				-						
			War.							
				11/						3
		-	0	// /	/		Marie Aprilla Control			130 40

NJ/MARGIN LOCATION Hole # Angle DAY AM AM Date ENDED 6:00 Shift Started 6,00 Rig# **NIGHT** Job# JOEY, DAVE, ERIC, SHAWN DRILLER TIME DEPTH Activity / Purpose Materials CORE FOOTAGE **FOOTAGE** FROM то RUN# FROM TO CORED RECOVERED ROCK TYPE / Bits TOTAL Percentage Recovered Comments: 5-VM -14 **Mud Used Rod Grease** Gel Polymer **Cutting Oil** Soda Ash Other (Specify) **Parts and Supplies** 1100

DOSECC Approval

LOCATION	ON ,	NE	MA	RSIN		u 0	4	Hole #	Moo	29A
								Angle	900	
	DAY		./		AM	,	AM	Date	7-10	2-09
		Shift Start	ed 6		ENDED	6		Rig#	CS.	4002
(NIGHT)			PM		PM	Job#		
DRILLE	R	Jesus	s, Kyle	51	eve					
FROM	ME	CORE	DEF		FOOTAGE	FOOTAGE		Activity / F		Materials
6:00	TO 11:00	RUN#	FROM	TO	CORED		ROCK TYPE		/ Bits	
11:00	11:45		Set.	1)00	M 70	481.41				
1/2/5	3:15		100 h	Jyw.	aging TA	019	-4-45			
3:15	3.40		Bork		1-					
2,46	600	<u> </u>	C. J		/				-	
			Car in	23.42	09119				_	
			-							
				2						
				*						
		127								
		ļi								
						1				
						*				0.00
			***************************************	TOTAL			Percentage F	Recovered		%
Comme	ents:							10		
								10	V	
	Was to the second							***************************************		
							31-7-10-1			9
						3				
Mud Us		Gel _				Rod Grease				
	CAVAR	Polymer Soda Ash	4			Cutting Oil				
		Joua ASII				Other (Specify)			.W	
Parts ar	nd Supp	lies								
					× × 1					
				1	111					
		- 2-4	/		111					
		(-)	- 1)	1//				<i>m</i>	01-1-2	
	The second second		The second second		and the state of t					

LOCATION	NJ	1 MARG	IN			Hole #	MOOR 9A	
			21	4		Angle	900	
DAY			AM		AM	Date	7-13-0	9
	Shift Start	ted 6	ENDED	0		Rig #	CS-4002	
NIGHT			РМ		PM	Job#		
DRILLER	JOEY	DAVE, E	RIC, Sho	awn				
TIME FROM TO	CORE RUN#	DEPTH FROM TO	FOOTAGE	FOOTAGE		Activity /		erials
6:00	IXOIV#	4819	CORED	RECOVERED	ROCK TYPE		/ Bits	
9:00		15.	PV11 L09	09 Tool 01	JOFRE	15 Ru	HAND	+
9:00 10:05			ReseT Los	ing Tool on	Floor			
10:05 10:55	-	И	WORKR	ons pump	on HOVE	AC Car	strule	
7:20			FINISH SE	tting Wel	loging To	OL TOS	Tart Log	121
2:20 3:40			Pumpo	HOLE WAD	Dane			
3:40 4:00		SETTING	up f seco	nd Log	TORU	Λ		
4:60 6:00		START D	uning Loc					
- 3								
	†					Survey		
		- 14						
		- 1						
						7		
			1 1					
L		TOTAL			Percentage I	Recovered	9/	
Comments:	veled	Parcen	tank)			- 2	3	
		~				7		
			- 1					
				, Karan - 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19.				
Mud Used	Gel M	12 DE	leker	Rod Grease	, <u>j</u>			
	Polymer			Cutting Oil			 3	
	Soda Ash		-	Other (Specify)			 9	
Parts and Supp	lies							
		1/	111					
		0//	////		Walter Walter			
Client Approval	Gi	1/1/1	11, _	DOSE	CC Approval	KI	Made	

LOCATION	ON	NJ/	MARG	IN		6 2	•	Hole #	100294
		^						Angle	00
27.	DAY				AM	72 EI	AM	Date	-13-09
		Shift Start	ed 6		ENDED	6			5-4002
(NIGHT	,		1	PM		PM	Job#	
DRILLE	R	Test	15. Ku	1e	Steve				
	IME	CORE	DEF	TH	FOOTAGE	FOOTAGE		Activity / Purp	ose Materials
FROM	то	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE	j	Bits
6,00	6:50	1.00	Work	nore					
7/20	4:75		Contin	15.00		man X Sura		+) -/	
4115	5:15		Work	Rec	te a	000 em	hole	1 7 0 01	
5.75	6100		Login	a teon	wort	on tool	7750-6		
	B		7 +			13676			
		12						2	
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							100		**
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				3			-		
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. T 1973 2	l	J		TOTAL		*			
<u></u>				TOTAL		ستعمر حدث	Percentage I	Recovered	%
Comm	ents:							i e	
								9	

									*
Mud Us	ed -	Gel				Rod Grease			
		Polymer			L.	Cutting Oil			
		Soda Ash				Other (Specify)			
Parts a	nd Supp	lies							
		de control de la control d							The state of the s
		-						V	
	8 11 22	V1.							
Distance of	who were the same	Manager Co.	Service Consideration						1 .

LOCATION	ON ,	NJ	MA	RG.	IN	4 4			M60	
								Angle	The state of the s	
(DAY		11:		AM	11.		Date		
		Shift Start	ed (5) ()	0	ENDED	6:00		Rig#	C5-6	1002
	NIGHT				PM	(PM	Job#	-	
DRILLE	R	JOE,	DAVE	, ERIC	-, 5haw	n				
	IME	CORE	DEF	TH	FOOTAGE	FOOTAGE		Activity /	Purpose	Materials
FROM	то	RUN#	FROM	ТО	CORED	RECOVERED			/ Bits	
6:00	910		Trickets.	A CAVIDA		EAM WORK		1		
9.70	GILIT			Pum		E TURN	100		19.16	
9:45	10:30			Bent	DTO Che	L CASING	CACINO	Down	In Halt	
10:20	10:40			CASI	NG 600	7	CPIS INVE	7		
10:40	12:45			Same.	fixing L	OSING TOO	/			
12:45	6:00	2			StarT L	09		=		1
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				3	±					
100							*			
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			72							
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Tis ex										
				TOTAL			Percentage F	Roccycand		%
				To the	Lijii .		ercentage r	racovered		/0
Commo	ents:							>: 		
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				-				o Sanoasa		
	11 31882	Sugl	3		1	-05-1 MVd		BARKILS		
Mud Us		Gel				Rod Grease			_	
		Polymer Soda Ash				Cutting Oil Other (Specify)			-	
		-				Calor (opcomy)		-	_	
Parts a	nd Suppl	ies								
				10	0					
	*		1	11	10					
		/		111	//				1	

LOCATI	ON	NJ	MARE	STN			_	Hole # <u>Mon 294</u> Angle <u>90°</u>		
								Angle	900	
	DAY		~		AM		AM	Date	7-19	-09
,	-	Shift Start	ted 6		ENDED	6		Rig#	<u>C</u>	4002
(NIGHT)	,		PM		PM	Job#		
DRILLE	R (Jesi	is, K	VE.	Stev	e -	-			
	IME	CORE	DEF		FOOTAGE	FOOTAGE		Activity / F	urpose	Materials
FROM	TO 9120	RUN#	FROM	то	CORED	RECOVERED	ROCK TYPE		/ Bits	
9:30	1.47		Rock	Ream	Q hij m	205	L-Super-			
1:47	200		Proper	Col	aging			*		
200	6:00		Porti	wee.	Toron			the section of		
					77			212000000		
25	ia .									
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Times and the second s										
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				TOTAL			Percentage I	Pacovarad		%
Commo	onto:						I elcellage i	recovered		78
	enta.									
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1									CP1 8 0 3	
14										
	200-1-1-00-1									"
Mud Us	ed	Gel				Rod Grease				
		Polymer Soda Ash				Cutting Oil Other (Specify)				
	Ĭ-,	Re Mo			gwe-	dier (Specify)				
Parts a	nd Supp	lies								
					0'4					n
-				11	VVI	-				
		Λ.		1/1	11/					
			1	11 /	117			and the same of th	4.1	

MARGIN LOCATION Hole # Angle DAY AM AM Date ENDED 6:00 Shift Started 6:00 Rig# **NIGHT** PM Job# DRILLER TIME DEPTH CORE Activity / Purpose FOOTAGE Materials FOOTAGE FROM то RUN# FROM TO CORED RECOVERED ROCK TYPE / Bits TOTAL Percentage Recovered **Comments:** Gel **Mud Used Rod Grease** Polymer **Cutting Oil** Soda Ash Other (Specify) **Parts and Supplies**

DOSECC Approval

LOCATI	ON	NJI	MARG	IN			<u>.</u>	Hole #	MOO	294
								Angle	900	
1	DAY				AM	(AM	Date	7-15	-09
		Shift Start	ed 6	,	ENDED	6		Rig#	CS-4	1002
(NIGHT			1	PM		- PM	Job#		1
DRILLE	R	NOS.	¿ Ku	10	teve					
				The second			-			
FROM	IME TO	CORE RUN#	FROM	то	FOOTAGE CORED	FOOTAGE RECOVERED	ROCK TYPE	Activity / P	urpose / Bits	Materials
6:00	6:30		Trip	out	4-203		rook III E		7 Dito	
6:30	7:00		Prep 1	61/09	Ving					
7:00	9:00		log h	ole y	Cant	Get to	ol dow	9		
4.60	17:50		Keam	down	12-2	os Pull	Back	1-205	70	402,03
12:05	12:05		609	6 6	9					
14,03	6.00		209	hole						2-2
	7 4									
							,		*	
440										
				TOTAL			Percentage I	Recovered		%
Commo	ents:									
Mud Us	od	Cal								
muu Us	eu	Gel Polymer				Rod Grease Cutting Oil				
		Soda Ash				Other (Specify)	E. Orm	and the second		
Parts a	nd Supp	-EZ-A	UP							
				11	1 1					
					11/1					
		Λ	1	11	1//					
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