	MARINE MAMMAL RECORDING FORM - Survey Report											
Ship:	Geodetic Surv	eyor	MMS permit	t#OCS-G-22897		Siesmic Contractor/Survey Type: 2D Seismic						
	is form everytime the	airguns are used,ir	ncluding overnight,	whether for shooting a	a line or for testing or	for any other purpose.	me Recorded in (U.S. Local Time					
Date		mammals	ramp-up begins	Time when air guns are operating at desired power	mammals were	What marine mammals were seen during survey	Were there any reason why marine mammals may have not been seen? (dark,fog,swells,white caps)	Time gun array stopes firing	Action necessary If whales were seen, what action was taken (e.g., survey delayed, sug shut down, etc.)			
									Any comments you deem important			
1/3/2011	1500	None	1545	1615-2400	None	None	Swells		Crew shooting 1 10" sleeve gun at 2000 psi.			
1/4/2011				0-2400		2 whales	Swells		saw 2 whales outside exclusion zone did not have to shut down.			
1/5/2011				0-0746		None	Swells	7:46 AM	Job Complete guns off at 0746			
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		MARIN	IE MAMM	AL RECOF	RDING FO	RM - LOCATION AND EFF	ORT DAT	Ά		
Recorded in Lo	cal U.S. Time	Survey type:	2 D Seismic		Client:	SBM Atlantia Inc.	Job#	2410-1148		
Ship:	Geodetic Surveyor	Ship type:	Research Ve	essel		OCS-G-22897	-		-	
Please Reco	rd the following informatior	n every day ( as	many lines per	a day as you wis	h). Even if no m	arine mammals are seen.		Record #		
Date	Observer	Time you started looking for marine mammals	Time you stopped looking for marine mammals	watch for marine mammals (hrs. & min.)	mammals (hrs. & min.)	Blocks transited while looking for marine mammals (or start and end position if blocks not known)	(use Beaufort scale)	Sea State Choose from: G= Glasy (like mirror) S= Slight (few or no white caps) R= Rough (large swells,foam creast, spray)	(2-4m) L=Large (>4m)	Visibility Choose from: P= Poor (<1km) M= Moderate (1-5km) G= Good (>5km)
1/3/2011		1500	1730	2.5 hr.	2.5 hr	N281143 W 885906	5 E	R	M	G
1/3/2011		1500	1730	2.5 hr.	2.5 hr	N281143 W 885906	5 E	R	M	G
	-	-								

Recorded in Local U.S. Time Survey type: 2 D Seismic			Client:	SBM Atlantia Inc.	Job#	2410-1148				
Ship:	Geodetic Surveyor Ship type: Research Vessel			OCS-G-22897						
Please Reco		•	many lines per	a day as you wis	h). Even if no ma	arine mammals are seen.		Record #		
Date	Observer	Time you started looking for marine mammals	Time you stopped looking for marine mammals	Duration of watch for marine mammals (hrs. & min.)	mammals	Blocks transited while looking for marine mammals (or start and end position if blocks not known)	(use Beaufort scale)	Sea State Choose from: G= Glasy (like mirror) S= Slight (few or no white caps) R= Rough (large swells,foam creast, spray)		Visibility Choose from: P= Poor (<1km) M= Moderate (1-5km) G= Good (>5km)
1/4/2011		0645	0800	2 hr	2hr	Mississippi Canyon blk. 768	4 E	S	M	M
1/4/2011		0645	1000	3h15m	3h15m	Mississippi Canyon blk. 768	4 E	S	M	M
1/4/2011		0800	1200	4 h	4 h	Mississippi Canyon blk. 768	4NE	S	M	M
1/4/2011		1000	1400	4 hr	4 h	Mississippi Canyon blk. 768	4 NW	S	M	M
1/4/2011		1400	1730	3h 30 m	3h30m	Mississippi Canyon blk. 768	4 NW	S	M	M
1/4/2011		1200	1600	4h	4h	Mississippi Canyon blk. 768	4 NW	S	M	M
1/4/2011		1600	1730	1h30m	1h30m	Mississippi Canyon blk. 768	4 NW	S	M	M
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ecorded in Loc	cal U.S. Time	Survey type:	Survey type: 2 D Seismic		Client:	SBM Atlantia Inc.	Job#	2410-1148		
hip:	Geodetic	Ship type:	Research Ve	ssel		OCS-G-22897				
ease Reco	rd the following infor	mation every day ( as	many lines per a	a day as you wis	h). Even if no ma	arine mammals are seen.		Record #		
ate	Observer	Time you started looking for marine mammals		Duration of watch for marine mammals	Length of time airguns were shooting while you were looking for marine mammals		Wind force and direction (use Beaufort	Choose from: G= Glasy (like mirror) S= Slight (few or no white caps) R= Rough (large swells,foam	Swell Choose from: 0= Low (<2m) M= Medium (2-4m) L=Large (>4m)	Visibility Choose from: P= Poor (<1km) M= Moderate (1-5km) G= Good (>5km)
/5/2011		0630	0800	1h30m		N 28 13 05 W 88 56 54	4 NW	S	M	G
/5/2011		0630	0800	1h30m		N 28 13 05 W 88 56 54	4 NW	S	М	G

	MARINE MAN	MMAL RECORD	ING FORM - RE	ECORD OF SIGHTING						
Date:	1/4/2011	Person who mad	e sighting							
Time:	8:30:00 AM Permt # OCS-G-22897 Watch status On Watch									
Bearing	g and range at first	sighting 280 deg	rees 1000m+							
How did	d this sighting occ	ur?Saw blow on s	urface							
Ship:			Observer:							
	Geodetic	Surveyor								
Ships P	Position and Headi	ng		Water Depth (Meter	rs)					
Lat:	28 13 17									
Long:	88 59 38			4120 ft.						
	Species:			Certainty of Identification						
Sperm				90%						
Toatal I	Number			Number of adults	2					
2				Number of juveniles	0					
2				Photo / Video taken?	no					
Door	windian (include fee	turas augh as aver	all aizar abana af	Direction of travel in rela	ation to					
	<b>ription</b> (include fea color and pattern: s			ship						
	•	on and shape of bl		<u>†</u>						
Huge so	quare head,dark bro	wn,offset single blo	w on corner							
of head.										
Behavi	or	Direction of travel of ma	ammal							
	On surfa	ce,saw dive down.		North						
Α	activity of ship	Airguns	s firing?	Closest distance of ma	ammal					
R	Running Lines	es	1000 m +							