

UNITED STATES GOVERNMENT
MEMORANDUM

March 30, 2004


To: Public Information (MS 5034)
From: Plan Coordinator, FO, Plans Section (MS 5231)

Subject: Public Information copy of plan

Control #	-	S-06398
Type	-	Supplemental Development Operations Coordinations Document
Lease(s)	-	OCS-G01240 Block - 51 South Timbalier Area OCS-G01241 Block - 52 South Timbalier Area
Operator	-	Chevron U.S.A. Inc.
Description	-	Wells #30 and #A through #D
Rig Type	-	JACKUP

Attached is a copy of the subject plan.

It has been deemed submitted as of this date and is under review for approval.


Robert Stringfellow
Plan Coordinator

Site Type/Name	Botm Lse/Area/Blk	Surface Location	Surf Lse/Area/Blk
WELL/#30	G01241/ST/52	1169 FSL, 3520 FWL	G01240/ST/51
WELL/#A	G01241/ST/52	1169 FSL, 3520 FWL	G01240/ST/51
WELL/#B	G01240/ST/51	1185 FNL, 5803 FEL	G01240/ST/51
WELL/#C	G01241/ST/52	4552 FNL, 2627 FEL	G01241/ST/52
WELL/#D	G01241/ST/52	6338 FSL, 5389 FWL	G01241/ST/52

153 MAR 31 10 40 PM '04

NOTED - SCHEXNAILDRE

Chevron U.S.A. Inc.
GOM SBU/HES
935 Gravier Street
New Orleans, LA 70112-1625
Tel 504 592 6853
Fax 504 592 6668
sron@chevrontexaco.com

S. A. Rondeno
Permit Specialist

S-6398
RS

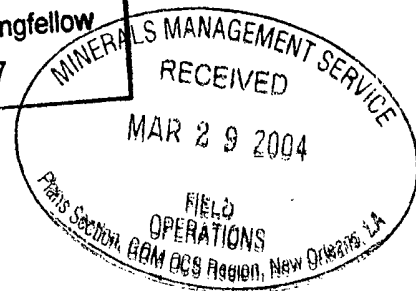
ChevronTexaco

March 25, 2004

Regional Supervisor
U. S. Dept. of the Interior
Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

**Supplemental DOCD
South Timbalier Block 51
OCS-G-1240
South Timbalier Block 52
OCS-G-1241
Offshore, Louisiana**

CONTROL No. S-6398
REVIEWER: Robert Stringfellow
PHONE: (504) 736-2437



Gentlemen:

Pursuant to 30 CFR 250.204, Chevron U.S.A. Inc. submits this Supplemental DOCD for South Timbalier Block 51, Lease OCS-G-1240 and South Timbalier Block 52, Lease OCS-G-1241 Offshore, Louisiana.

We have enclosed 9 copies of this Supplemental DOCD, 5 Proprietary and 4 Public Information. These wells are being drilled within 500' of a previously approved surface location; therefore no report of seismic information is enclosed.

Chevron believes that the structure maps and cross-section maps submitted with this revised DOCD are exempt from disclosure under the Freedom of Information Act, and should therefore not be made available to the public or provided to any affected state or to the executive of any local government. Please call me should you have any questions or need additional information.

Very truly yours,

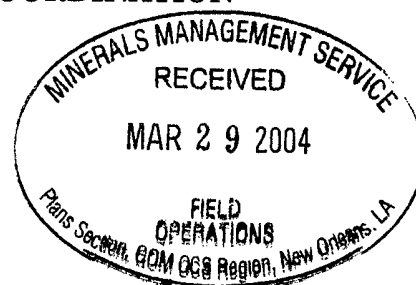
S. A. Rondeno
S. A. Rondeno

enclosure

CHEVRON U.S.A. INC.

**SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION
DOCUMENT**

**SOUTH TIMBALIER BLOCK 51
OCS-G-1240
SOUTH TIMBALIER BLOCK 52
OCS-G-1241**



March 24, 2004

SECTION A	CONTENTS OF PLAN
SECTION B	GENERAL INFORMATION
SECTION C	GEOLOGICAL, GEOPHYSICAL & H2S INFORMATION
SECTION D	BIOLOGICAL INFORMATION
SECTION E	WASTES AND DISCHARGES INFORMATION
SECTION F	OIL SPILL INFORMATION
SECTION G	AIR EMISSIONS INFORMATION
SECTION H	ENVIRONMENTAL IMPACT ANALYSIS
SECTION I	CZM CONSISTENCY INFORMATION
SECTION J	OCS PLAN INFORMATION FORM

PUBLIC INFORMATION

SECTION A

CONTENTS OF PLAN

(Lease Description/Activity, Objective, Schedule, Location, Drilling Unit, Production Facilities)

LEASE DESCRIPTION

South Timbalier Block 51 OCS-G-1240's lease effective date is March, 1967 and South Timbalier Block 52 OCS-G-1241's lease effective date is January, 1967. These leases are located off the Louisiana Coast in the Central Gulf of Mexico.

OBJECTIVE

Chevron submits this Supplemental Development Operations Coordination Document to allow for the drilling, production and development of South Timbalier Block 51 OCS-G-1240 Well #B and South Timbalier Block 52 OCS-G-1241 Wells #30, #A, #C and #D. Plans are to drive 24" and 36" conductors adjacent to existing satellite locations with deck installation connected to the existing caissons or satellite structures.

SCHEDULE

Tentative schedules (from start to completion) of the development and production activities are included as Attachment A-2 MMS-137 "OCS Plan Information Form" in accordance with Appendix J.

LOCATION

A Location/Bathymetry Plat depicting the surface location is enclosed as Attachment A-1, A-1A, A-1B, A-1C, and A-1D.

We have included as Attachment A-2 Form MMS-137 "OCS Plan Information Form" in accordance with Appendix J. The form includes a table indicating the surface location, bottom hole location, TVD, MD and water depth of the proposed wells and the surface location and water depth of each facility. Also included in the table is the distance from the lease lines, the Lambert x-y coordinates and the latitude and longitude. The type of lift/derrick barge to be used during the construction activities will be either a self elevating lift barge, spud barge or a dynamic positioning type barge, which uses thrusters to hold the barge in place during operations. In any case, an anchor pattern is not required.

DRILLING UNIT

The subject well will be drilled and completed utilizing the Pride Kansas Jack-up drilling rig. The drilling unit is designed to operate in water depths from twenty feet (25') to three hundred twenty eight feet (328'). The rig has a drilling depth capacity of 25,000 feet. Copies of the appropriate specifications will be included with the Permit to Drill (APD), and submitted to the appropriate MMS District Office.

The rig is equipped with safety, fire fighting and lifesaving equipment required to comply with USCG and ABS requirements including two (2) 54-person life boats, four (4) 25-person inflatable rafts, 104 individual life preservers, fire fighting equipment and general alarm system.

The rig has the necessary diverter system, blowout preventer, auxiliary equipment and mud testing and monitoring equipment. Drilling operations will be conducted in a manner so as to maximize pollution prevention in accordance with Title 30 CFR Part 250, Subpart C. All other safety control equipment will be used in accordance with the applicable subparts of Title 30 CFR Part 250.

The MMS is required to conduct onsite inspections of offshore facilities to ensure that operators are complying with lease stipulations, operating regulations, approved plans and other conditions, as well as to ensure that the safety and pollution prevention requirements are being met.

PRODUCTION FACILITIES

South Timbalier 52 A, B, C & CA are a complex of productions platforms that are bridge connected. They have all the necessary production handling equipment: pipeline production and test headers; bulk separating system; gas compression, dehydration metering and sales; oil treating, metering and sales; water processing and clarification for overboard discharge; living quarters for up to 55 people; electric generators; and fixed cranes. This complex is designed to gather, process, and sell sales quality natural gas and crude oil.

The oil is processed, metered and delivered into the 8" Pipeline Segment #4244, CPL (Operations System No. 36.0)

The gas is dehydrated, metered and delivered into the 8" Pipeline Segment #1675, Trunkline (Operations System No. XEO25.0).

*CHEVRON 100.0%

51

HBP
G1240

HBP
G4119

3520' FWL

SURFACE LOCATION
OCS-G 1241
WELL #30

1169' FSL

52

HBP
G1241
*CHEVRON 100.0%

HBP
G4000

SURFACE LOCATION
OCS-G 1240
WELL #30
X = 2,267,966
Y = 76,467
LAT: N28°52'27.277"
LON: W90°29'46.399"

ATTACHMENT #A-1



Chevron
Gulf of Mexico Business Unit

**SO TIMB FLD BLK 52
LOCATION/BATHYMETRY
OCS-G 1241 WELL #30**



*CHEVRON 100.0%

51

HBP
G1240

HBP
G4119

3520' FWL

1169' FSL

60'

52

HBP
G1241

HBP
G4000


*CHEVRON 100.0%

SURFACE LOCATION
OCS-G 1241
WELL "A"
X = 2,267,966
Y = 76,467
LAT: N28°52'27.277"
LON: W90°29'46.399"

ATTACHMENT #A-1A

 **Chevron**
Gulf of Mexico Business Unit

**SO TIMB FLD BLK 52
LOCATION/BATHYMETRY
OCS-G 1241 WELL 'A'**

0 2000' 4000'

Scale in Feet

#BOIS D'AR 67.0%

34

HBP

G4842

50'

*CHEVRON 100.0%

1185' FNL

WELL 'B'
OCS-G 1240
SURFACE LOCATION

5803' FEL

#BOIS D'AR 67.0%

55'

51

50

HBP

G1240

HBP

G4119

SURFACE LOCATION
OCS-G 1240
WELL "B"
X = 2,269,777
Y = 88,873
LAT: N28°54'29.955"
LON: W90°29'25.007"

ATTACHMENT #A-1B

 **Chevron**
Gulf of Mexico Business Unit

**SO TIMB FLD BLOCK 51
LOCATION/BATHYMETRY
OCS-G 1240 WELL "B"**

0 2000' 4000'
Scale in Feet

FILE: 1240.B.LOC

HBP
G1240

*CHEVRON 100.0%

4552' FNL

SURFACE LOCATION

WELL "C"
OCS-G 1241

2627' FEL

52

50

HBP

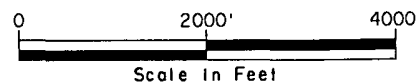
G1241

SURFACE LOCATION
OCS-G 1241
WELL "C"
X = 2,272,953
Y = 70,746
LAT: N28°51'30.280"
LON: W90°28'50.795"

ATTACHMENT #A-1C



SO TIMB FLD BLOCK 52
LOCATION/BATHYMETRY
OCS-G 1241 WELL "C"



HBP
G1240

*CHEVRON 100.0%

60'

52

5389' FWL

SURFACE LOCATION

WELL 'D'
OCS-G 1241

6338' FSL

HBP

G1241

50

65'

SURFACE LOCATION
OCS-G 1241
WELL "D"
X = 2,269,835
Y = 66,878
LAT: N28°50'52.218"
LON: W90°29'26.174"

ATTACHMENT #A-1D

 **Chevron**
Gulf of Mexico Business Unit

**SO TIMB FLD BLOCK 52
LOCATION/BATHYMETRY
OCS-G 1241 WELL "D"**

0 2000' 4000'

Scale in Feet

OCS PLAN INFORMATION FORM

General Information

Type of OCS Plan:		Exploration Plan (EP)	<input checked="" type="checkbox"/> Development Operations Coordination Document (DOCD)
Company Name: Chevron U.S.A. Inc.		MMS Operator Number: 00078	
Address: 935 Gravier Street		Contact Person: Shirley A. Rondeno	
New Orleans, LA 70112		Phone Number: (504) 592-6853	
		E-Mail Address: sron@chevrontexaco.com	
Lease(s): G-1240 G-1241	Area: South Timbalier	Block(s) 51 & 52	Project Name (If Applicable): N/A
Objective(s)	<input checked="" type="checkbox"/> Oil	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Sulphur <input type="checkbox"/> Salt
Onshore Base: Leeville Shorebase			Distance to closest land (Miles): 11.0

Description of Proposed Activities (Mark all that Apply)

<input type="checkbox"/> Exploration Drilling	<input checked="" type="checkbox"/> Development Drilling
<input type="checkbox"/> Well completion	<input type="checkbox"/> Installation of production platform
<input type="checkbox"/> Well test flaring (for more than 48 hours)	<input type="checkbox"/> Installation of production facilities
<input type="checkbox"/> Installation of caisson or platform as well protection structure	<input type="checkbox"/> Installation of satellite structure
<input type="checkbox"/> Installation of sub sea wellheads and/or manifolds	<input checked="" type="checkbox"/> Commence production
<input checked="" type="checkbox"/> Installation of lease term pipelines	<input type="checkbox"/> Other (specify and describe)

Have you submitted or do you plan to submit a Conservation Information Document to accompany this plan?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do you propose to use new or unusual technology to conduct your activities?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do you propose any facility that will serve as a host facility for deepwater sub sea development?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do you propose any activities that may disturb an MMS-designated high-probability archaeological area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Have all of the surface locations of your proposed activities been previously reviewed and approved by MMS?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Tentative Schedule of Proposed Activities

Proposed Activity	Start Date	End Date	No. of Days
Drill and complete Well #30	08/01/04	08/30/04	30
Install deck addition	07/20/04	08/01/04	12
Install pipeline	08/30/04	09/15/04	17
Commence production	09/21/04		
Drill and complete Well #A"	06/01/05	06/30/05	30
Install deck addition	05/20/05	06/01/05	12
Install pipeline	06/30/05	07/15/05	17
Commence production	07/21/05		
Drill and complete Well #B"	06/01/06	07/14/06	44
Install deck addition	05/20/06	06/01/06	12
Install pipeline	07/15/06	07/26/06	11
Commence production	08/07/06		
Drill and complete Well #C"	01/01/07	02/14/07	45
Install deck addition	12/20/06	01/01/07	12
Install pipeline	02/15/07	03/02/07	15
Commence production	03/07/07		
Drill and complete Well #D"	01/01/08	01/30/08	30
Install flow line	01/25/08	01/30/08	6
Commence production	02/10/08		

Description of Drilling Rig

Description of Production Platform

<input checked="" type="checkbox"/> Jack up	<input type="checkbox"/> Drill ship	<input type="checkbox"/> Caisson	<input type="checkbox"/> Tension leg platform
<input type="checkbox"/> Gorilla Jack up	<input type="checkbox"/> Platform rig	<input type="checkbox"/> Well protector	<input type="checkbox"/> Compliant tower
<input type="checkbox"/> Semi submersible	<input type="checkbox"/> Submersible	<input type="checkbox"/> Fixed platform	<input type="checkbox"/> Guyed tower
<input type="checkbox"/> DP Semi submersible	<input type="checkbox"/> Other (attach description)	<input type="checkbox"/> Sub sea manifold	<input type="checkbox"/> Floating production system
Drilling Rig Name (If known) Pride Kansas		<input type="checkbox"/> Spar	<input type="checkbox"/> Other (attach description)

Description of Lease Term Pipelines

From (Facility/Area/Block)	To (Facility/Area/Block)	Diameter (Inches)	Length (Feet)
ST 51 OCS-G-1240 #3	ST 52 "CA"	6"	3700'
ST 51 OCS-G-1240 #3	ST 52 "CA"	6"	3700'
ST 51 OCS-G-1240 #29	ST 51 "CD"	6"	4300'
ST 52 OCS-G-1241 #22	ST 52 "A"	6"	4800'

OCS PLAN INFORMATION FORM (Continued)

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): #30					Sub sea Completion N/A
Anchor Radius (if applicable) in feet					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> X <input type="checkbox"/> No
Surface Location			Bottom-Hole Location (For Wells)		
Lease No.	OCS-G-1240				
Area Name	South Timbalier				
Block No.	51				
Block line Departures (in feet)	N / S Departure: 1169'	F S L	N / S Departure:	F L	
	E / W Departure: 3520'	F W L	E / W Departure:	F L	
Lambert X-Y Coordinates	X: 2,267,966		X:		
	Y: 76,467		Y:		
Latitude / Longitude	Latitude: 28° 52' 27.277"		Latitude:		
	Longitude: 90° 29' 46.399"		Longitude:		
TVD (Feet)		MD (Feet)		Water Depth (Feet) 60'	

Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
N/A			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	

***NOTE: ANCHORS WILL NOT BE UTILIZED**

OCS PLAN INFORMATION FORM (Continued)

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location										
Well or Structure Name / Number (If renaming well or structure, reference previous name): # A							Sub sea Completion N/A			
Anchor Radius (if applicable) in feet								Yes	X	No
Surface Location				Bottom-Hole Location (For Wells)						
Lease No.	OCS-G-1240									
Area Name	South Timbalier									
Block No.	51									
Block line Departures (in feet)		N / S Departure: 1169'		F S L		N / S Departure:		F L		
		E / W Departure: 3520'		F W L		E / W Departure:		F L		
Lambert X-Y Coordinates		X: 2,267,966				X:				
		Y: 76,467				Y:				
Latitude / Longitude		Latitude: 28° 52' 27.277"				Latitude:				
		Longitude: 90° 29' 46.399"				Longitude:				
TVD (Feet)				MD (Feet)			Water Depth (Feet) 60'			
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)										
Anchor Name or No.	Area	Block	X Coordinate		Y Coordinate		Length of Anchor Chain on Seafloor			
N/A			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					

***NOTE: ANCHORS WILL NOT BE UTILIZED**

OCS PLAN INFORMATION FORM (Continued)

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location										
Well or Structure Name / Number (If renaming well or structure, reference previous name): # B							Sub sea Completion N/A			
Anchor Radius (if applicable) in feet								Yes	X	No
			Surface Location			Bottom-Hole Location (For Wells)				
Lease No.			OCS-G-1240							
Area Name			South Timbalier							
Block No.			51							
Block line Departures (in feet)			N / S Departure: 1185'		F N L		N / S Departure:		F L	
			E / W Departure: 5803'		F E L		E / W Departure:		F L	
Lambert X-Y Coordinates			X: 2,269,777			X:				
			Y: 88,873			Y:				
Latitude / Longitude			Latitude: 28° 54' 29.955"			Latitude:				
			Longitude: 90° 29' 25.077"			Longitude:				
			TVD (Feet)		MD (Feet)		Water Depth (Feet) 55'			
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)										
Anchor Name or No.	Area	Block	X Coordinate		Y Coordinate		Length of Anchor Chain on Seafloor			
N/A			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					

***NOTE: ANCHORS WILL NOT BE UTILIZED**

OCS PLAN INFORMATION FORM (Continued)

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location					
Well or Structure Name / Number (If renaming well or structure, reference previous name): # C					Sub sea Completion N/A
Anchor Radius (if applicable) in feet					Yes <input type="checkbox"/> X <input type="checkbox"/> No <input type="checkbox"/>
Surface Location			Bottom-Hole Location (For Wells)		
Lease No.	OCS-G-1241				
Area Name	South Timbalier				
Block No.	52				
Block line Departures (in feet)	N / S Departure: 4552'	F N L	N / S Departure:	F L	
	E / W Departure: 2627'	F E L	E / W Departure:	F L	
Lambert X-Y Coordinates	X: 2,272,953		X:		
	Y: 70,746		Y:		
Latitude / Longitude	Latitude: 28° 51' 30.280"		Latitude:		
	Longitude: 90° 28' 50.795"		Longitude:		
TVD (Feet)		MD (Feet)		Water Depth (Feet) 60'	
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)					
Anchor Name or No.	Area	Block	X Coordinate	Y Coordinate	Length of Anchor Chain on Seafloor
N/A			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	
			X=	Y=	

***NOTE: ANCHORS WILL NOT BE UTILIZED**

OCS PLAN INFORMATION FORM (Continued)

Include one copy of this page for each proposed well/structure

Proposed Well / Structure Location										
Well or Structure Name / Number (If renaming well or structure, reference previous name): # D							Sub sea Completion N/A			
Anchor Radius (if applicable) in feet								Yes	X	No
Surface Location					Bottom-Hole Location (For Wells)					
Lease No.		OCS-G-1241								
Area Name		South Timbalier								
Block No.		52								
Block line Departures (in feet)		N / S Departure: 6338'		F S L		N / S Departure:		F L		
		E / W Departure: 5389'		F W L		E / W Departure:		F L		
Lambert X-Y Coordinates		X: 2,269,835			X:					
		Y: 66,878			Y:					
Latitude / Longitude		Latitude: 28° 50' 52.218"			Latitude:					
		Longitude: 90° 29' 26.174"			Longitude:					
TVD (Feet)			MD (Feet)			Water Depth (Feet) 60'				
Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)										
Anchor Name or No.	Area	Block	X Coordinate		Y Coordinate		Length of Anchor Chain on Seafloor			
N/A			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					
			X=		Y=					

***NOTE: ANCHORS WILL NOT BE UTILIZED**

SECTION B GENERAL INFORMATION

(Contact, Project Name, Production rates and life of reserves, New or Unusual Technology, Bonding Information, Onshore Base and Support Vessels, Lease Stipulations, Related OCS facilities and operations, Transportation Information)

CONTACT

Shirley A. Rondeno
Chevron U.S.A. Inc.
935 Gravier Street, Room 731
New Orleans, LA 70112
(504) 592-6853

Email: sron@chevrontexaco.com

PROJECT NAME

There is no project name for this Document.

PRODUCTION RATES AND LIFE OF RESERVES

The estimated life and production rates are as follows:

Well	Life of Reservoir	Average/Peak Production Rate
OCS-G-1241 #30		
OCS-G-1241 #A		
OCS-G-1240 #B		
OCS-G-1241 #C		
OCS-G-1241 #D		

NEW OR UNUSUAL TECHNOLOGY

This document does not propose the use of any new or unusual technologies.

BONDING INFORMATION

In accordance with the regulations contained in Title 30 CFR 256, Subpart 1 and further clarified in Notice to Lessees (NTL 2000-G16); Chevron has on file with the Minerals Management Service and is covered by a \$3,000,000.00 area-wide bond 103312842-0012 effective October 18, 2001.

ONSHORE BASE AND SUPPORT VESSELS

South Timbalier Blocks 51 is approximately 11 statute miles from the nearest shoreline, and approximately 25 miles from our shore base located in Leeville, Louisiana. South Timbalier Block 52 is approximately 14 statute miles from the nearest shoreline, and approximately 33 miles from our shore base located in Leeville, Louisiana. A vicinity plat showing the location of the blocks relative to the shoreline and the onshore base is included as Attachment B-1.

The Leeville Shorebase will serve as port of debarkation for supplies and crews. No onshore expansion or construction is anticipated with respect to the proposed activities. This base is capable of providing the services necessary for the proposed activities. It has 24-hour service, a radio tower with a phone patch, dock space, equipment and supply storage base, drinking and drill water, etc.

Helicopters will travel to and from this location and Chevron's Leeville Base and other platforms in the area. Travel frequencies of helicopters and support vessels during drilling and completion operations are listed below.

	Drilling	Construction	Production
Crewboat	7/week	14 days/well	2/week
Workboat	2/week	N/A	N/A
Helicopters	2/week	N/A	2/week

NORTH 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831
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LEASE STIPULATIONS

There are no lease stipulations which would affect any drilling or production associated with this DOCD.

RELATED OCS FACILITIES AND OPERATIONS

Production from Wells #30, A, B, C, and D will be directed to either High or Low Pressure production and test separators and be commingled with production from leases OCS-G 1240, OCS-G 1241, OCS-G 2624 and OCS-G 3336. Separated liquids will flow through a chem-electric treater and then will be metered for sales into 8" Pipeline Segment #4244, CPL (Operations System No. 36.0). Separated gas will be compressed as necessary, dehydrated and then metered for sales into 8" Pipeline Segment #1675, Trunkline (Operations System No. XEO25.0).

TRANSPORTATION METHOD

Production from the proposed wells will be handled by existing transportation lines departing from the 8" Pipeline Segment #4244, CPL (Operations System No. 36.0) and the 8" Pipeline Segment #1675, Trunkline (Operations System No. XEO25.0).

Chevron does not anticipate the installation of any new downstream pipelines and/or processing facilities as a result of the new production from the proposed wells.

SECTION C

GEOLOGICAL & GEOPHYSICAL

(Structure Maps, Interpreted Seismic Lines, Cross-Sections, Shallow Hazards Report, Shallow Hazards Assessment, High Resolution Seismic Lines, Stratigraphic Columns, H2S Information)

STRUCTURE MAPS

Current structure maps are not included.

INTERPRETED SEISMIC LINES

The proposed wells will be drilled within 500' of a previously approved surface location; therefore, no interpreted seismic lines are required.

CROSS-SECTION MAPS

Interpreted geological structure Cross-Section Map are not included

SHALLOW HAZARDS REPORT

A Hazard Study Report was prepared for South Timbalier Block 51 by John Chance in July, 1981. A Hazard Study was prepared for South Timbalier Block 52 by Gulf Ocean Services in January 1997. Three copies of these reports have previously been submitted to the Minerals Management Service. New Shallow Hazard Reports are not required because the wells will be drilled within 500' of existing structures.

SHALLOW HAZARD ASSESSMENT

A Shallow Hazard Analysis has been prepared for the proposed surface location, evaluating seafloor and subsurface geological and manmade features and conditions. The possibility of any shallow geologic hazard will be taken into account prior to the drilling of the proposed well or performing any of the other development activities. A copy of the Shallow Hazard Analysis was previously submitted. New Shallow Hazard Reports are not required because the wells will be drilled within 500' of existing structures.

HIGH RESOLUTION SEISMIC LINES

The proposed operations will be conducted adjacent to previously approved surface locations; therefore, copies of the high resolution seismic lines are not required.

HYDROGEN SULFIDE (H₂S)

In accordance with the requirement that the lease be classified regarding H₂S, based on the drilling of previous wells, from this location, no nearby occurrences of H₂S associated with the activities were encountered; therefore, we request that the area in which the operations will be conducted be classified as an area where the absence of H₂S has been confirmed.

SECTION D

BIOLOGICAL AND PHYSICAL INFORMATION (Chemosynthetic, Topographic Information)

CHEMOSYNTHETIC

The seafloor disturbing activities proposed under this Document are in water depths less than 400 meters (1312 feet). This section of the plan is not applicable.

TOPOGRAPHIC INFORMATION

MMS and the National Marine Fisheries Service (NMFS) have entered into a programmatic consultation agreement for Essential Fish Habitat that requires that no bottom disturbing activities including anchors or cables from a semi-submersible drilling rig may occur within 500 feet of the no-activity zone of a topographic feature. If such proposed bottom disturbing activities are within 500 feet of a no activity zone, the MMS is required to consult with the NMFS.

The activities proposed under this Document are not affected by a topographic feature.

LIVE BOTTOM (PINNACLE TREND) INFORMATION

In accordance with NTL 99-G16, a survey report containing a bathymetry map prepared by using remote sensing techniques must be submitted to the Gulf of Mexico OCS Region (GOMR) before you can conduct any drilling activities or install any structures, including lease term pipelines on leases affected by the Live Bottom Stipulation.

South Timbalier Blocks 51 and 52 are not located within the vicinity of a proposed live bottom area and therefore, this section of the plan is not applicable.

REMOTELY OPERATED VEHICLE (ROV) SURVEYS

Pursuant to NTL 2001-G04, operators may be required to conduct remote operated vehicle (ROV) surveys during pre-spud and post drilling operations for the purpose of biological and physical observations.

The seafloor disturbing activities proposed under this Document are in water depth less than 400 meters (1312 feet), therefore, an ROV survey plan is not required.

SECTION E

WASTE AND DISCHARGE INFORMATION

DISCHARGES

Discharges describe those wastes generated by your proposed activities that you dispose of by releasing them into the waters of the Gulf of Mexico at the site where they are generated, usually after receiving some form of treatment before they are released, and in compliance with applicable NPDES permits or State requirements.

In accordance with NTL 2003-G17 overboard discharges generated by our proposed activities proposed by this Document are not required to be submitted in this Supplemental Development Operations Coordination Document. All discharges will be in compliance with our NPDES General Permit GMG *290000*.

DISPOSED WASTES

Disposed wastes describe those waste generated by your proposed activities that are disposed of by means other than by releasing them into the waters of the Gulf of Mexico at the site where they are generated. These wastes can be disposed of by offsite release, injection, encapsulation, or placement at either onshore or offshore permitted locations for the purpose of returning them back to the environment.

Chevron U.S.A., Inc. will manifest these wastes prior to being offloaded from the structure and transported to shore for disposal at approved sites regulated by the State of Louisiana. Chevron will utilize the UIC-28 Waste Manifest Shipping Tickets to monitor the transportation and disposition of this associated waste; and will comply with any approvals or reporting and record keeping requirements imposed by the State where ultimate disposal will occur.

The Table included in Attachment E-1 details those wastes generated by our proposed activities that are disposed of by means of offsite release, injection, encapsulation or placement at either onshore or offshore permitted locations for the purpose of returning them back to the environment.

Table 2. Disposal Table Example (Wastes to be disposed of, not discharged) Attachment E-1

Type of Waste Approximate Composition	Amount*	Rate per Day	Name/Location of Disposal Facility	Treatment and/or Storage, Transport and Disposal Method
Spent oil-based drilling fluids and cuttings	None	None	None	None
Spent synthetic-based drilling fluids and cuttings	None	None	None	None
Oil-contaminated produced sand	None	None	None	None
Waste oil	None	None	None	None
Produced water	None	None	None	None
Produced water	None	None	None	None
Norm-contaminated wastes	None	None	None	None
Trash and debris	1000 ft ³	3 ft ³ /day	Solid Waste Disposal Inc./Riverbirch Landfill Avondale	Transport in storage bins on crew boat to shorebase
Chemical product wastes	None	None	None	None
Chemical product wastes	None	None	None	None
Workover fluids	None	None	None	None

*can be expressed as a volume, weight, or rate

SECTION F

OIL SPILL INFORMATION

The following information is regarding our Regional Oil Spill Response Plan (OSRP) submitted to the Minerals Management Service for approval on February 28, 2002 and approved on September 10, 2002.

Chevron USA, Inc., Four Star Oil and Gas Co. and ChevronTexaco Pipeline Company, Inc. all of which are wholly or partially owned subsidiaries of Chevron Texaco Corporation are covered under the above referenced OSRP as well as the activities proposed in this Initial Development Operations Coordination Document.

All produced liquid hydrocarbons associated with this application will be transported by pipeline.

Clean Gulf Associates (CGA) and Marine Spill Response Corporation (MSRC) are our primary oil spill removal organizations and they will supply the necessary equipment and personnel. CGA and MSRC have equipment pre-staged around the Gulf of Mexico. The major locations of this equipment are Lake Charles, Intracoastal City, Houma, Grand Isle, Fort Jackson and Venice, Louisiana; Galveston, Texas; and Pascagoula, Mississippi.

As noted in our Regional Oil Spill Response Plan, approved on September 10, 2002, Grand Isle Shipyard, Grand Isle, LA and Mississippi State Port Authority-Port of Gulfport, Gulfport, MS are possible staging areas in the worst-case discharge scenarios. Additional staging areas are Chevron's four (4) shore bases located in Intracoastal City, Leeville and Venice, Louisiana and Pascagoula, Mississippi. Other staging areas will be pursued as warranted by any specific response.

Please refer to the attached table to compare worst-case scenario from our OSRP to the worst-case scenario from the proposed activities in our Initial Development Operations Coordination Document.

Category	Regional OSRP "Nearshore" Worst- Case Discharge Scenario	Regional OSRP "Farshore" Worst-Case Discharge Scenario	Regional OSRP "Mobile Rig Exploration Drilling Ops." Worst-Case Discharge Scenario	DOCD
Type of Activity (<i>Types of activities include P/L, P/F, Caisson, subsea completions or manifold, and mobile drilling rig</i>)	Platform Well	Sub-sea Completion	Drillship	Mobile Drilling Rig
Spill Location (<i>area/block</i>)	South Timbalier Block 37 OCS-G-02625	Green Canyon Block 237 OCS-G-15563	Green Canyon Block 640 OCS-G-20082	ST Block 51 OCS-G-1240 ST Block 52 OCS-G-1241
Facility Designation (<i>e.g., Well #2, Platform JA, Pipeline Segment No. 6373</i>)	Platform I - Well #8 MMS Facility ID No. 186	Platform A - aka "Typhoon" Well #282-1 MMS Facility ID No. 735	Exploratory Lease	Wells No. #30, #A, #B, #C, #D
Distance to Nearest Shoreline (<i>miles</i>)	8 miles	92 miles	118 miles	11.0 miles (ST 51) 14 Miles (ST 52)
Volume Storage Tanks (total) Flowlines (on facility) Lease Term Pipelines Uncontrolled Blowout (volume per day) Total Volume	0 barrels 7,607 barrels 7,607 barrels	900 barrels 21,000 barrels 21,900 barrels	37,688 barrels 154,900 barrels 192,588 barrels	2164 barrels (rig) 1.0 barrels 240 barrels 5000 barrels 7,405 barrels
Type of Oil(s) (<i>crude oil, condensate, diesel</i>)	Crude Oil	Crude Oil	Crude Oil	Crude
APIE Gravity(s)-Provide APIE gravity of all oils given under "Type of Oil(s)" above. Estimate for EP's)	32°	32.9°	28° , 36°	35.0°

Please be advised that updated Worst Case Discharge Analysis information was submitted to MMS for review and approval with the Biennial Update to our Regional Oil Spill Response Plan, on February 28, 2004. Since Chevron has the capability to respond to the worst-case spill scenario included in its Regional OSRP, previously approved on September 10, 2002, and since the worst-case scenario determined for our Initial Development Operations Coordination Document does not replace the worst-case scenario in our Regional OSRP; I hereby certify that Chevron has the capability to respond, to the maximum extent practicable, to a worst-case discharge, or a substantial threat of such a discharge, resulting from the activities proposed in our Supplemental Development Operations Coordination Document

Facility Tanks, Production Vessels

The following table provides information on tanks and/or production vessels at the facility that will store oil with a capacity of 25 barrels or more.

Type of Storage Tank	Type of Facility	Tank Capacity (bbls)	Number of Tanks	Total Capacity (bbls)	Fluid Gravity (API)
Fuel	Jack-Up	2164	1	2164	N/A

Spill Response Sites

The following table provides information on the location of the primary spill response equipment and the location of pre-planned staging area(s) that may be used in the event of an oil spill resulting from activities.

Primary Response Equipment Location	Preplanned Staging Location (s)
Leeville, LA	Grand Isle Ship Yard, Grand Isle, LA

Produced Liquid Hydrocarbons Transportation Vessels

Chevron proposes to transport the produced liquid hydrocarbons by lease pipelines; therefore this section of the Document is not applicable.

SECTION G AIR EMISSIONS INFORMATION

Offshore air emissions related to the proposed activities result mainly from drilling and completion operations, helicopters and vessels. These emissions occur mainly from burning fuels and natural gas and from venting or evaporation of hydrocarbons. The combustion of fuel occurs primarily on diesel-powered generators, pumps or motors and from lighter fuel motors.

Primary air pollutants associated with OCS activities are nitrogen oxides, carbon monoxide, sulphur oxides, volatile organic compounds and suspended particulates.

Included in this section as Attachment G-1 is the Projected Air Quality Emissions Report (Form MMS-139), prepared in accordance with NTL 2003 G-17.

***AIR EMISSIONS REPORT
SUPPLEMENTAL DOCD
SOUTH TIMBALIER BLOCK 51
LEASE OCS-G-1240***

PLAN EMISSIONS

***CHEVRON U.S.A. INC.
S. A. RONDENO
Date: MARCH 2004***

ATTACHMENT #G-1

Screening Questions for EP's	Yes	No
Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed exploration activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2/3}$ for CO, and $CT = 33.3D$ for the other air pollutants (where D = distance to shore in miles)?		
Do your emission calculations include any emission reduction measures or modified emission factors?		
Are your proposed exploration activities located east of 87.5° W longitude?		
Do you expect to encounter H ₂ S at concentrations greater than 20 parts per million (ppm)?		
Do you propose to flare or vent natural gas for more than 48 continuous hours from any proposed well?		
Do you propose to burn produced hydrocarbon liquids?		

Screening Questions for DOCD's	Yes	No
Is any calculated Complex Total (CT) Emission amount (in tons) associated with your proposed exploration activities more than 90% of the amounts calculated using the following formulas: $CT = 3400D^{2/3}$ for CO, and $CT = 33.3D$ for the other air pollutants (where D = distance to shore in miles)?		X
Do your emission calculations include any emission reduction measures or modified emission factors?		X
Does or will the facility complex associated with your proposed development and production activities process production from eight or more wells?		X
Do you expect to encounter H ₂ S at concentrations greater than 20 parts per million (ppm)?		X
Do you propose to flare or vent natural gas in excess of the criteria set forth under 250.1105(a)(2) and (3)?		X
Do you propose to burn produced hydrocarbon liquids?		X
Are your proposed development and production activities located within 25 miles from shore?	X	
Are your proposed development and production activities located within 200 kilometers of the Breton Wilderness Area?		X

In calculating CT for addressing the first question in the above tables, express the distance to shore (D) in tenths of a statute mile for distances up to 20 miles and in whole statute miles for distances 20 miles and beyond. Use the nearest point of any land, which is the distance from the facility complex to the mean high water mark of any State, including barrier islands and shoals, to determine the distance to shore.

(1) If you answer *no* to all of the above screening questions from the appropriate table, provide:

(a) Summary information regarding the peak year emissions for both Plan Emissions and Complex Total Emissions, if applicable. This information is compiled on the summary form of the two sets of worksheets. You can submit either these summary forms or use the format below. You do not need to include the entire set of worksheets.

AIR EMISSION CUMPUTATION FACTORS

Fuel Usage Conversion Factors	Natural Gas Turbines		Natural Gas Engines		Diesel Recip. Engine		REF.	DATE
	SCF/hp-hr	9.524	SCF/hp-hr	7.143	GAL/hp-hr	0.0483	AP42 3.2-1	4/76 & 8/84

Equipment/Emission Factors	units	PM	SOx	NOx	VOC	CO	REF.	DATE
NG Turbines	gms/hp-hr		0.00247	1.3	0.01	0.83	AP42 3.2-1& 3.1-1	10/96
NG 2-cycle lean	gms/hp-hr		0.00185	10.9	0.43	1.5	AP42 3.2-1	10/96
NG 4-cycle lean	gms/hp-hr		0.00185	11.8	0.72	1.6	AP42 3.2-1	10/96
NG 4-cycle rich	gms/hp-hr		0.00185	10	0.14	8.6	AP42 3.2-1	10/96
Diesel Recip. < 600 hp.	gms/hp-hr	1	1.468	14	1.12	3.03	AP42 3.3-1	10/96
Diesel Recip. > 600 hp.	gms/hp-hr	0.32	1.468	11	0.33	2.4	AP42 3.4-1	10/96
Diesel Boiler	lbs/bbl	0.084	2.42	0.84	0.008	0.21	AP42 1.3-12,14	9/98
NG Heaters/Boilers/Burners	lbs/mmscf	7.6	0.593	100	5.5	84	P42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmscf		0.593	71.4	60.3	388.5	AP42 11.5-1	9/91
Liquid Flaring	lbs/bbl	0.42	6.83	2	0.01	0.21	AP42 1.3-1 & 1.3-3	9/98
Tank Vapors	lbs/bbl				0.03		E&P Forum	1/93
Fugitives	lbs/hr/comp.				0.0005		API Study	12/93
Glycol Dehydrator Vent	lbs/mmscf				6.6		La. DEQ	1991
Gas Venting	lbs/scf				0.0034			

Sulfur Content Source	Value	Units
Fuel Gas	3.33	ppm
Diesel Fuel	0.4	% weight
Produced Gas(Flares)	3.33	ppm
Produced Oil (Liquid Flaring)	1	% weight

AIR EMISSION CALCULATIONS - FIRST YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Chevron U.S.A. Inc.	South Timballer	51	OCS-G-1240		#30, #A, #B	S. A. Rondono	(504) 592-6853	#REF!									
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	30	1.32	1.94	18.50	1.48	4.00	0.02	0.03	0.28	0.02	0.06	
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	30	1.06	4.85	36.34	1.09	7.93	0.10	0.44	3.27	0.10	0.71	
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	9	1.41	6.47	48.46	1.45	10.57	0.05	0.23	1.74	0.05	0.38	
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80	
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	17	0.42	1.94	14.54	0.44	3.17	0.09	0.40	2.97	0.09	0.65	
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	17	0.85	3.88	29.07	0.87	6.34	0.09	0.40	2.97	0.09	0.65	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel (Tug)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	17	0.85	3.88	29.07	0.87	6.34	0.17	0.79	5.93	0.18	1.29	
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	17	1.27	5.82	43.61	1.31	9.52	0.26	1.19	8.90	0.27	1.94	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	12	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11	
PRODUCTION	RECIP. <600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP. >600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00					0.00		
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-		0		0	0				0.00				0.00			
	FUGITIVES-			0.0		0				0.00				0.00			
	GLYCOL STILL VENT-		0		0	0				0.00				0.00			
	DRILLING	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL TEST	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2004 YEAR TOTAL							21.89	96.29	725.51	22.69	158.26	2.76	12.62	94.61	2.85	20.64	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70	
	11.0																

AIR EMISSIONS CALCULATIONS - SECOND YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS						
Chevron U.S.A. Inc.	South Timballer	51	OCS-G-1240		#30, #A, #B		S. A. Rondono		(504) 592-6853	#REF!						
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	30	1.32	1.94	18.50	1.48	4.00	0.02	0.03	0.28	0.02	0.06
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	30	1.06	4.85	36.34	1.09	7.93	0.10	0.44	3.27	0.10	0.71
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	9	1.41	6.47	48.46	1.45	10.57	0.05	0.23	1.74	0.05	0.38
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	17	0.42	1.94	14.54	0.44	3.17	0.09	0.40	2.97	0.09	0.65
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	17	0.85	3.88	29.07	0.87	6.34	0.09	0.40	2.97	0.09	0.65
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	17	0.85	3.88	29.07	0.87	6.34	0.17	0.79	5.93	0.18	1.29
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	17	1.27	5.82	43.61	1.31	9.52	0.26	1.19	8.90	0.27	1.94
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4.00	12.00	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00					0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		
	FUGITIVES-			0.0		0				0.00				0.00		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2005 YEAR TOTAL							21.89	96.29	725.51	22.69	158.26	2.76	12.62	94.61	2.85	20.64
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70
	11.0															

AIR EMISSIONS CALCULATIONS - THIRD YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Chevron U.S.A. Inc.	South Timbalier	51	OCS-G-1240		#30, #A, #B	S. A. Rondono	(504) 592-6853	#REF!									
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	44	1.32	1.94	18.50	1.48	4.00	0.03	0.04	0.41	0.03	0.09	
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	44	1.06	4.85	36.34	1.09	7.93	0.14	0.64	4.80	0.14	1.05	
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	13	1.41	6.47	48.46	1.45	10.57	0.07	0.34	2.52	0.08	0.55	
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80	
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	11	0.42	1.94	14.54	0.44	3.17	0.06	0.26	1.92	0.06	0.42	
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	11	0.85	3.88	29.07	0.87	6.34	0.06	0.26	1.92	0.06	0.42	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	11	0.85	3.88	29.07	0.87	6.34	0.11	0.51	3.84	0.12	0.84	
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	11	1.27	5.82	43.61	1.31	9.52	0.17	0.77	5.76	0.17	1.26	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	12	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11	
PRODUCTION	RECIP.<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00				0.00		0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-		0		0	0				0.00				0.00			
	FUGITIVES-			0.0		0				0.00				0.00			
	GLYCOL STILL VENT-		0		0	0				0.00				0.00			
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2006 YEAR TOTAL							21.89	96.29	725.51	22.69	158.26	3.50	15.97	119.76	3.61	26.13	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70	
	11.0																

AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxxx

Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	51	OCS-G-1240		#30, #A, #B
Year	Emitted		Substance		
	PM	SOx	NOx	VOC	CO
2004	2.76	12.62	94.61	2.85	20.64
2005	2.76	12.62	94.61	2.85	20.64
2006	3.50	15.97	119.76	3.61	26.13
2007	3.50	15.97	119.76	3.61	26.13
2008	3.50	15.97	119.76	3.61	26.13
2009	3.50	15.97	119.76	3.61	26.13
2010	3.50	15.97	119.76	3.61	26.13
Allowable	366.30	366.30	366.30	366.30	16816.70

***AIR EMISSIONS REPORT
SUPPLEMENTAL DOCD
SOUTH TIMBALIER BLOCK 51
LEASE OCS-G-1240***

PROJECTED EMISSIONS

***CHEVRON U.S.A. INC.
S. A. RONDENO
Date: MARCH 2004***

AIR EMISSION CUMPUTATION FACTORS

Fuel Usage Conversion Factors	Natural Gas Turbines		Natural Gas Engines		Diesel Recip. Engine		REF.	DATE
	SCF/hp-hr	9.524	SCF/hp-hr	7.143	GAL/hp-hr	0.0483	AP42 3.2-1	4/76 & 8/84

Equipment/Emission Factors	units	PM	SOx	NOx	VOC	CO	REF.	DATE
NG Turbines	gms/hp-hr		0.00247	1.3	0.01	0.83	AP42 3.2-1& 3.1-1	10/96
NG 2-cycle lean	gms/hp-hr		0.00185	10.9	0.43	1.5	AP42 3.2-1	10/96
NG 4-cycle lean	gms/hp-hr		0.00185	11.8	0.72	1.6	AP42 3.2-1	10/96
NG 4-cycle rich	gms/hp-hr		0.00185	10	0.14	8.6	AP42 3.2-1	10/96
Diesel Recip. < 600 hp.	gms/hp-hr	1	1.468	14	1.12	3.03	AP42 3.3-1	10/96
Diesel Recip. > 600 hp.	gms/hp-hr	0.32	1.468	11	0.33	2.4	AP42 3.4-1	10/96
Diesel Boiler	lbs/bbl	0.084	2.42	0.84	0.008	0.21	AP42 1.3-12,14	9/98
NG Heaters/Boilers/Burners	lbs/mmscf	7.6	0.593	100	5.5	84	P42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmscf		0.593	71.4	60.3	388.5	AP42 11.5-1	9/91
Liquid Flaring	lbs/bbl	0.42	6.83	2	0.01	0.21	AP42 1.3-1 & 1.3-3	9/98
Tank Vapors	lbs/bbl				0.03		E&P Forum	1/93
Fugitives	lbs/hr/comp.				0.0005		API Study	12/93
Glycol Dehydrator Vent	lbs/mmscf				6.6		La. DEQ	1991
Gas Venting	lbs/scf				0.0034			

Sulfur Content Source	Value	Units
Fuel Gas	3.33	ppm
Diesel Fuel	0.4	% weight
Produced Gas(Flares)	3.33	ppm
Produced Oil (Liquid Flaring)	1	% weight

AIR EMISSION CALCULATIONS - FIRST YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS									
Chevron U.S.A. Inc.	South Timber	51	OCS-G-1240		#30, #A, #B	S. A. Rondono	(504) 592-6453	#REF!									
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	30	1.32	1.94	18.50	1.48	4.00	0.02	0.03	0.28	0.02	0.06	
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	30	1.06	4.85	36.34	1.09	7.93	0.10	0.44	3.27	0.10	0.71	
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	9	1.41	6.47	48.46	1.45	10.57	0.05	0.23	1.74	0.05	0.38	
VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80		
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	17	0.42	1.94	14.54	0.44	3.17	0.09	0.40	2.97	0.09	0.65	
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	17	0.85	3.88	29.07	0.87	6.34	0.09	0.40	2.97	0.09	0.65	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel (Tug)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	17	0.85	3.88	29.07	0.87	6.34	0.17	0.79	5.93	0.18	1.29	
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	17	1.27	5.82	43.61	1.31	9.52	0.26	1.19	8.90	0.27	1.94	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	12	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11	
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	35	1.41	6.47	48.46	1.45	10.57	0.15	0.68	5.09	0.15	1.11	
	TURBINE nat gas	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.2 cycle lean nat gas	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.4 cycle lean nat gas	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.4 cycle rich nat gas	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00	0.00			0.00	0.00	0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-		0		0	0				0.00				0.00	0.00	0.00	
	FUGITIVES-			1000.0		102				0.50				0.61			
	GLYCOL STILL VENT-		0		0	0				0.00				0.00			
	DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2004 YEAR TOTAL							23.30	102.76	773.96	24.64	168.83	2.91	13.30	99.70	3.62	21.75	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70	
	11.0																

AIR EMISSIONS CALCULATIONS - SECOND YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS							
Chevron U.S.A. Inc.	South Timbaler	51	OCS-G-1240		#30, #A, #B		S. A. Rondeno	(504) 592-6853	#REF1							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	30	1.32	1.94	18.50	1.48	4.00	0.02	0.03	0.28	0.02	0.06
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	30	1.06	4.85	36.34	1.09	7.93	0.10	0.44	3.27	0.10	0.71
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	9	1.41	6.47	48.46	1.45	10.57	0.05	0.23	1.74	0.05	0.38
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	17	0.42	1.94	14.54	0.44	3.17	0.09	0.40	2.97	0.09	0.65
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	17	0.85	3.88	29.07	0.87	6.34	0.09	0.40	2.97	0.09	0.65
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	17	0.85	3.88	29.07	0.87	6.34	0.17	0.79	5.93	0.18	1.29
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	17	1.27	5.82	43.61	1.31	9.52	0.26	1.19	8.90	0.27	1.94
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4.00	12.00	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	52	1.41	6.47	48.46	1.45	10.57	0.22	1.01	7.56	0.23	1.65
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00				0.00		
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		
	FUGITIVES-			1000.0		163				0.50				0.98		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
DRILLING	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL TEST	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2005 YEAR TOTAL							23.30	102.76	773.96	24.64	168.83	2.98	13.63	102.17	4.06	22.29
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70
	11.0															

AIR EMISSIONS CALCULATIONS - THIRD YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS						
Chevron U.S.A. Inc.	South Timballe	51	OCS-G-1240		#30, #A, #B		S. A. Rondono		(504) 592-6853	#REF!						
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	44	1.04	4.77	35.76	1.07	7.80	0.55	2.52	18.88	0.57	4.12
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	44	1.32	1.94	18.50	1.48	4.00	0.03	0.04	0.41	0.03	0.09
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	44	1.06	4.85	36.34	1.09	7.93	0.14	0.64	4.80	0.14	1.05
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	13	1.41	6.47	48.46	1.45	10.57	0.07	0.34	2.52	0.08	0.55
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	11	0.42	1.94	14.54	0.44	3.17	0.06	0.26	1.92	0.06	0.42
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	11	0.85	3.88	29.07	0.87	6.34	0.06	0.26	1.92	0.06	0.42
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	11	0.85	3.88	29.07	0.87	6.34	0.11	0.51	3.84	0.12	0.84
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	11	1.27	5.82	43.61	1.31	9.52	0.17	0.77	5.76	0.17	1.26
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	12	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11
PRODUCTION	RECIP.<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	49	1.41	6.47	48.46	1.45	10.57	0.21	0.95	7.12	0.21	1.55
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP. 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP. 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP. 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT								0.00	0.00	0.00	0.00	0.00
	TANK-	0			0	0				0.00	0.00				0.00	0.00
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00					0.00	
	FUGITIVES-			1000.0		147				0.50					0.88	
	GLYCOL STILL VENT-		0		0	0				0.00					0.00	
	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2006 YEAR TOTAL							23.30	102.76	773.96	24.64	168.83	3.71	16.92	126.88	4.71	27.68
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70
	11.0															

AIR EMISSIONS CALCULATIONS - FOURTH YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS							
Chevron U.S.A. Inc.	South Timbalier	51	OCS-G-1240		#30, #A, #B		S. A. Rondono		(504) 592-6853	#REF1							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
VESSELS>600hp diesel(tugs)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PRODUCTION	RECIP.<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	104	1.41	6.47	48.46	1.45	10.57	0.44	2.02	15.12	0.45	3.30	
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP. 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00	0.00				0.00	0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-		0		0	0				0.00	0.00				0.00	0.00	
	FUGITIVES-			1000.0		365				0.50	0.00				2.19	0.00	
	GLYCOL STILL VENT-		0		0	0				0.00	0.00				0.00	0.00	
DRILLING	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WELL TEST	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2007 YEAR TOTAL							1.41	6.47	48.46	1.95	10.57	0.44	2.02	15.12	2.64	3.30	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											366.30	366.30	366.30	366.30	16816.70	
	11.0																

AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxxx

Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	51	OCS-G-1240		#30, #A, #B
Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2004	2.91	13.30	99.70	3.62	21.75
2005	2.98	13.63	102.17	4.06	22.29
2006	3.71	16.92	126.88	4.71	27.68
2007	0.44	2.02	15.12	2.64	3.30
2008	0.44	2.02	15.12	2.64	3.30
2009	0.44	2.02	15.12	2.64	3.30
2010	0.44	2.02	15.12	2.64	3.30
Allowable	366.30	366.30	366.30	366.30	16816.70

***AIR EMISSIONS REPORT
SUPPLEMENTAL DOCD
SOUTH TIMBALIER BLOCK 52
LEASE OCS-G-1241***

PLAN EMISSIONS

***CHEVRON U.S.A. INC.
S. A. RONDENO
Date: MARCH 2004***

AIR EMISSION CUMPUTATION FACTORS

Fuel Usage Conversion Factors	Natural Gas Turbines		Natural Gas Engines		Diesel Recip. Engine		REF.	DATE
	SCF/hp-hr	9.524	SCF/hp-hr	7.143	GAL/hp-hr	0.0483	AP42 3.2-1	4/76 & 8/84

Equipment/Emission Factors	units	PM	SOx	NOx	VOC	CO	REF.	DATE
NG Turbines	gms/hp-hr		0.00247	1.3	0.01	0.83	AP42 3.2-1& 3.1-1	10/96
NG 2-cycle lean	gms/hp-hr		0.00185	10.9	0.43	1.5	AP42 3.2-1	10/96
NG 4-cycle lean	gms/hp-hr		0.00185	11.8	0.72	1.6	AP42 3.2-1	10/96
NG 4-cycle rich	gms/hp-hr		0.00185	10	0.14	8.6	AP42 3.2-1	10/96
Diesel Recip. < 600 hp.	gms/hp-hr	1	1.468	14	1.12	3.03	AP42 3.3-1	10/96
Diesel Recip. > 600 hp.	gms/hp-hr	0.32	1.468	11	0.33	2.4	AP42 3.4-1	10/96
Diesel Boiler	lbs/bbl	0.084	2.42	0.84	0.008	0.21	AP42 1.3-12,14	9/98
NG Heaters/Boilers/Burners	lbs/mmescf	7.6	0.593	100	5.5	84	P42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmescf		0.593	71.4	60.3	388.5	AP42 11.5-1	9/91
Liquid Flaring	lbs/bbl	0.42	6.83	2	0.01	0.21	AP42 1.3-1 & 1.3-3	9/98
Tank Vapors	lbs/bbl				0.03		E&P Forum	1/93
Fugitives	lbs/hr/comp.				0.0005		API Study	12/93
Glycol Dehydrator Vent	lbs/mmescf				6.6		La. DEQ	1991
Gas Venting	lbs/scf				0.0034			

Sulfur Content Source	Value	Units
Fuel Gas	3.33	ppm
Diesel Fuel	0.4	% weight
Produced Gas(Flares)	3.33	ppm
Produced Oil (Liquid Flaring)	1	% weight

AIR EMISSION CALCULATIONS - FIRST YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS							
Chevron U.S.A. Inc.	South Timberlall	52	OCS-G-1241		#C, #D		S. A. Rondono	(504) 592-6853	#REF1							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	45	1.32	1.94	18.50	1.48	4.00	0.03	0.04	0.42	0.03	0.09
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	45	1.06	4.85	36.34	1.09	7.93	0.14	0.65	4.91	0.15	1.07
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	14	1.41	6.47	48.46	1.45	10.57	0.08	0.36	2.71	0.08	0.59
VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80	
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	15	0.42	1.94	14.54	0.44	3.17	0.08	0.35	2.62	0.08	0.57
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	15	0.85	3.88	29.07	0.87	6.34	0.08	0.35	2.62	0.08	0.57
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel (Tug)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	15	0.85	3.88	29.07	0.87	6.34	0.15	0.70	5.23	0.16	1.14
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	15	1.27	5.82	43.61	1.31	9.52	0.23	1.05	7.85	0.24	1.71
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	12	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00					0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		
	FUGITIVES-			0.0		0				0.00				0.00		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2007 YEAR TOTAL							21.89	96.29	725.51	22.69	158.26	3.72	16.95	127.10	3.83	27.73
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											466.20	466.20	466.20	466.20	19749.87
	14.0															

AIR EMISSIONS CALCULATIONS - SECOND YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS							
Chevron U.S.A. Inc.	South Timbalier	52	OCS-G-1241		#C, #D		S. A. Rondano	(504) 592-6853	#REF1							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	30	1.32	1.94	18.50	1.48	4.00	0.02	0.03	0.28	0.02	0.06
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	30	1.06	4.85	36.34	1.09	7.93	0.10	0.44	3.27	0.10	0.71
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	9	1.41	6.47	48.46	1.45	10.57	0.05	0.23	1.74	0.05	0.38
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	6	0.42	1.94	14.54	0.44	3.17	0.03	0.14	1.05	0.03	0.23
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	6	0.85	3.88	29.07	0.87	6.34	0.03	0.14	1.05	0.03	0.23
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	6	0.85	3.88	29.07	0.87	6.34	0.06	0.28	2.09	0.06	0.46
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	6	1.27	5.82	43.61	1.31	9.52	0.09	0.42	3.14	0.09	0.69
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00					0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		
	FUGITIVES-			0.0		0				0.00				0.00		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2008 YEAR TOTAL							21.25	93.38	703.70	22.04	153.50	2.36	10.76	80.66	2.43	17.60
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											466.20	466.20	466.20	466.20	19749.87
	14.0															

AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxxx

Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	52	OCS-G-1241		#C, #D
Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2007	3.72	16.95	127.10	3.83	27.73
2008	2.36	10.76	80.66	2.43	17.60
Allowable	466.20	466.20	466.20	466.20	19749.87

***AIR EMISSIONS REPORT
SUPPLEMENTAL DOCD
SOUTH TIMBALIER BLOCK 52
LEASE OCS-G-1241***

PROJECTED EMISSIONS

***CHEVRON U.S.A. INC.
S. A. RONDENO
Date: MARCH 2004***

AIR EMISSION CUMPUTATION FACTORS

Fuel Usage Conversion Factors	Natural Gas Turbines		Natural Gas Engines		Diesel Recip. Engine		REF.	DATE
	SCF/hp-hr	9.524	SCF/hp-hr	7.143	GAL/hp-hr	0.0483	AP42 3.2-1	4/76 & 8/84

Equipment/Emission Factors	units	PM	SOx	NOx	VOC	CO	REF.	DATE
NG Turbines	gms/hp-hr		0.00247	1.3	0.01	0.83	AP42 3.2-1& 3.1-1	10/96
NG 2-cycle lean	gms/hp-hr		0.00185	10.9	0.43	1.5	AP42 3.2-1	10/96
NG 4-cycle lean	gms/hp-hr		0.00185	11.8	0.72	1.6	AP42 3.2-1	10/96
NG 4-cycle rich	gms/hp-hr		0.00185	10	0.14	8.6	AP42 3.2-1	10/96
Diesel Recip. < 600 hp.	gms/hp-hr	1	1.468	14	1.12	3.03	AP42 3.3-1	10/96
Diesel Recip. > 600 hp.	gms/hp-hr	0.32	1.468	11	0.33	2.4	AP42 3.4-1	10/96
Diesel Boiler	lbs/bbl	0.084	2.42	0.84	0.008	0.21	AP42 1.3-12,14	9/98
NG Heaters/Boilers/Burners	lbs/mmescf	7.6	0.593	100	5.5	84	P42 1.4-1, 14-2, & 14	7/98
NG Flares	lbs/mmescf		0.593	71.4	60.3	388.5	AP42 11.5-1	9/91
Liquid Flaring	lbs/bbl	0.42	6.83	2	0.01	0.21	AP42 1.3-1 & 1.3-3	9/98
Tank Vapors	lbs/bbl				0.03		E&P Forum	1/93
Fugitives	lbs/hr/comp.				0.0005		API Study	12/93
Glycol Dehydrator Vent	lbs/mmescf				6.6		La. DEQ	1991
Gas Venting	lbs/scf				0.0034			

Sulfur Content Source	Value	Units
Fuel Gas	3.33	ppm
Diesel Fuel	0.4	% weight
Produced Gas(Flares)	3.33	ppm
Produced Oil (Liquid Flaring)	1	% weight

AIR EMISSION CALCULATIONS - FIRST YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL	CONTACT	PHONE	REMARKS								
Chevron U.S.A. Inc.	South Timberlar	52	OCS-G-1241		#C, #D	S. A. Rondeno	(504) 592-6853	#REF!								
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	45	1.04	4.77	35.76	1.07	7.80	0.56	2.58	19.31	0.58	4.21
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	45	1.32	1.94	18.50	1.48	4.00	0.03	0.04	0.42	0.03	0.09
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	45	1.06	4.85	36.34	1.09	7.93	0.14	0.65	4.91	0.15	1.07
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	14	1.41	6.47	48.46	1.45	10.57	0.08	0.36	2.71	0.08	0.59
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	15	0.42	1.94	14.54	0.44	3.17	0.08	0.35	2.62	0.08	0.57
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	15	0.85	3.88	29.07	0.87	6.34	0.08	0.35	2.62	0.08	0.57
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel (Tug)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	15	0.85	3.88	29.07	0.87	6.34	0.15	0.70	5.23	0.16	1.14
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	15	1.27	5.82	43.61	1.31	9.52	0.23	1.05	7.85	0.24	1.71
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	900	43.47	1043.28	4	12	0.63	2.91	21.81	0.65	4.76	0.02	0.07	0.52	0.02	0.11
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	92	1.41	6.47	48.46	1.45	10.57	0.39	1.78	13.37	0.40	2.92
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-	0			0	0				0.00				0.00		0.00
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-		0		0	0				0.00				0.00		0.00
	FUGITIVES-			1000.0		321				0.50				1.93		
	GLYCOL STILL VENT-		0		0	0				0.00				0.00		
	DRILLING WELL TEST	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAS FLARE			0		0	0			0.00	0.00	0.00			0.00	0.00	0.00
2007 YEAR TOTAL							23.30	102.76	773.96	24.64	168.83	4.10	18.73	140.47	6.16	30.65
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											466.20	466.20	466.20	466.20	19749.87
	14.0															

AIR EMISSIONS CALCULATIONS - SECOND YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT	PHONE	REMARKS							
Chevron U.S.A. Inc.	South Timbalier	52	OCS-G-1241		#C, #D		S. A. Rondeno	(504) 592-6853	#REF1							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS				
	Diesel Engines	HP	GAL/HR	GAL/D												
	Nat. Gas Engines	HP	SCF/HR	SCF/D												
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
DRILLING	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	PRIME MOVER>600hp diesel	1476	71.2908	1710.98	24	30	1.04	4.77	35.76	1.07	7.80	0.37	1.72	12.87	0.39	2.81
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUXILIARY EQUIP<600hp diesel	600	28.98	695.52	1	30	1.32	1.94	18.50	1.48	4.00	0.02	0.03	0.28	0.02	0.06
	VESSELS>600hp diesel(crew)	1500	72.45	1738.80	6	30	1.06	4.85	36.34	1.09	7.93	0.10	0.44	3.27	0.10	0.71
	VESSELS>600hp diesel(supply)	2000	96.6	2318.40	8	9	1.41	6.47	48.46	1.45	10.57	0.05	0.23	1.74	0.05	0.38
	VESSELS>600hp diesel(tugs)	12600	608.58	14605.92	12	2	8.88	40.74	305.29	9.16	66.61	0.11	0.49	3.66	0.11	0.80
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	600	28.98	695.52	24	6	0.42	1.94	14.54	0.44	3.17	0.03	0.14	1.05	0.03	0.23
	SUPPORT VESSEL diesel	1200	57.96	1391.04	12	6	0.85	3.88	29.07	0.87	6.34	0.03	0.14	1.05	0.03	0.23
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	1200	57.96	1391.04	24	6	0.85	3.88	29.07	0.87	6.34	0.06	0.28	2.09	0.06	0.46
	VESSELS>600hp diesel(dive)	1800	86.94	2086.56	24	6	1.27	5.82	43.61	1.31	9.52	0.09	0.42	3.14	0.09	0.69
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(crew)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VESSELS>600hp diesel(liftboat)	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PRODUCTION	RECIP.<600hp diesel Crane	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	96	1.41	6.47	48.46	1.45	10.57	0.41	1.86	13.96	0.42	3.04
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	RECIP.4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MISC.	BPD	SCF/HR	COUNT												
	TANK-FLARE-	0			0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
	PROCESS VENT-FUGITIVES-		0		0	0				0.00				0.00		
	GLYCOL STILL VENT-		0	1000.0	0	336				0.50				2.02		
					0	0				0.00				0.00		
	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2008 YEAR TOTAL							22.66	99.85	752.16	23.99	164.07	2.76	12.62	94.61	4.87	20.64
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											466.20	466.20	466.20	466.20	19749.87
	14.0															

AIR EMISSIONS CALCULATIONS - THIRD YEAR

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL		CONTACT		PHONE	REMARKS							
Chevron U.S.A. Inc.	South Timballer	52	OCS-G-1241		#C, #D		S. A. Rondeno		(504) 592-6853	#REF!							
OPERATIONS	EQUIPMENT	RATING	MAX. FUEL	ACT. FUEL	RUN TIME		MAXIMUM POUNDS PER HOUR					ESTIMATED TONS					
	Diesel Engines	HP	GAL/HR	GAL/D													
	Nat. Gas Engines	HP	SCF/HR	SCF/D													
	Burners	MMBTU/HR	SCF/HR	SCF/D	HR/D	DAYS	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	
DRILLING	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PRIME MOVER>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	BURNER diesel	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	AUXILIARY EQUIP<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(supply)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
VESSELS>600hp diesel(tugs)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PIPELINE INSTALLATION	PIPELINE LAY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	PIPELINE BURY BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(dive)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FACILITY INSTALLATION	DERRICK BARGE diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MATERIAL TUG diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(crew)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	VESSELS>600hp diesel(liftboat)	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PRODUCTION	RECIP.<600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	RECIP.>600hp diesel	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	SUPPORT VESSEL diesel	2000	96.6	2318.40	6	104	1.41	6.47	48.46	1.45	10.57	0.44	2.02	15.12	0.45	3.30	
	TURBINE nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 2 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 4 cycle lean nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	RECIP 4 cycle rich nat gas	0	0	0.00	0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	BURNER nat gas	0	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	MISC.	BPD	SCF/HR	COUNT													
	TANK-	0			0	0				0.00				0.00		0.00	
	FLARE-		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
	PROCESS VENT-		0		0	0				0.00				0.00			
	FUGITIVES-			1000.0		365				0.50				2.19			
	GLYCOL STILL VENT-		0		0	0				0.00				0.00			
DRILLING	OIL BURN	0			0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WELL TEST	GAS FLARE		0		0	0		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
2009 YEAR TOTAL							1.41	6.47	48.46	1.95	10.57	0.44	2.02	15.12	2.64	3.30	
EXEMPTION CALCULATION	DISTANCE FROM LAND IN MILES											466.20	466.20	466.20	466.20	19749.87	
	14.0																

AIR EMISSION CALCULATIONS

OMB Control No. xxxx-xxxx

Expiration Date: Pending

COMPANY	AREA	BLOCK	LEASE	PLATFORM	WELL
Chevron U.S.A.	South Timbalier	52	OCS-G-1241		#C, #D
Year	Emitted Substance				
	PM	SOx	NOx	VOC	CO
2007	4.10	18.73	140.47	6.16	30.65
2008	2.76	12.62	94.61	4.87	20.64
2009	0.44	2.02	15.12	2.64	3.30
2010	0.44	2.02	15.12	2.64	3.30
2011	0.44	2.02	15.12	2.64	3.30
2012	0.44	2.02	15.12	2.64	3.30
2013	0.44	2.02	15.12	2.64	3.30
2014	0.44	2.02	15.12	2.64	3.30
2015	0.44	2.02	15.12	2.64	3.30
2016	0.44	2.02	15.12	2.64	3.30
Allowable	466.20	466.20	466.20	466.20	19749.87

SECTION H ENVIRONMENTAL IMPACT ANALYSIS

(Environment Report)

Pursuant to NTL 2003-G17, Chevron USA, Inc. has included with this Supplemental Development Operations Coordination Document an Environmental Impact Analysis prepared by John Chance Land Survey, Inc, which addresses the activities proposed for the proposed well.

SECTION I

COASTAL ZONE CONSISTENCY CERTIFICATION

The Coastal Zone Management Consistency Certification is not required.

SECTION J PLAN INFORMATION FORM

The MMS-137 Plan Information Form is included as Attachment A-2.



**ENVIRONMENTAL IMPACT ANALYSIS
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATIONS DOCUMENT**

**SOUTH TIMBALIER AREA BLOCK 51 AND 52
OCS-G 4464
OFFSHORE LOUISIANA**

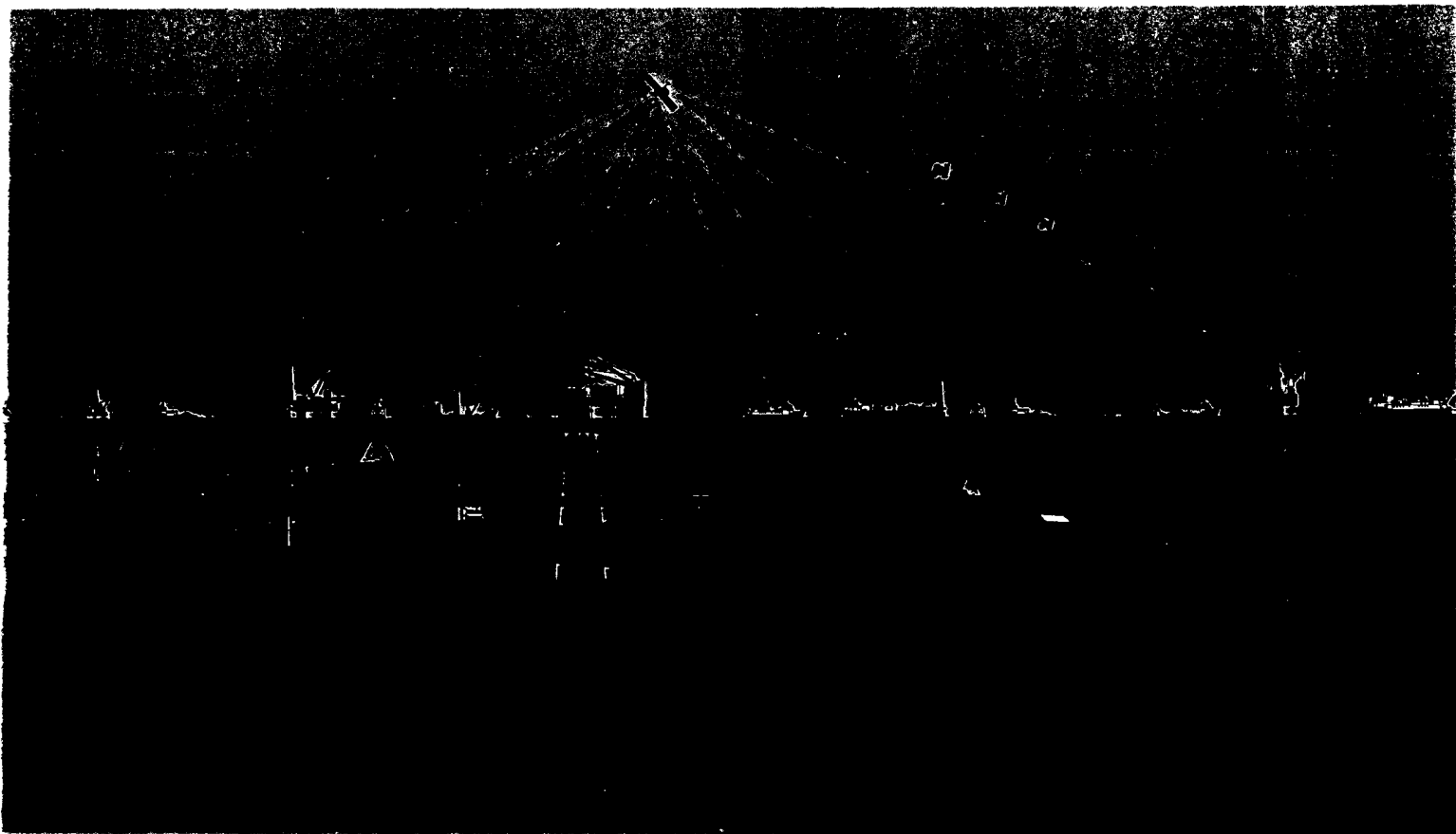
**CHEVRON U.S.A., INC.
935 GRAVIER STREET
NEW ORLEANS, LOUISIANA 70112**

**SUBMITTED TO:
MS. SHIRLEY A. RONDENO
PERMIT SPECIALIST**

MARCH 2004

**PREPARED BY:
JOHN CHANCE LAND SURVEYS, INC.
REGULATORY AND ECOLOGICAL SERVICES GROUP
200 DULLES DRIVE
LAFAYETTE, LOUISIANA 70506**

CHANCE PROJECT NO. 04-5146



(A) Impact-Producing Factors (IPFs)

Contained below is a worksheet provided by the MMS that identifies the environmental resources that could be impacted by IPFs. If an "x" is noted in one of the fields below it is because we determined that that specific environmental resource might be impacted by that specific IPF. Footnotes have been included for some of the cells and these correspond to a statement that explains the applicability for the proposed activity for South Timbalier Area Block 51 and 52. Where any of the IPFs may affect a specific environmental resource an analysis of that effect is provided.

Environmental Impact Analysis Worksheet

Environmental Resources	Impact Producing Factors (IPFs)					
	Categories and Examples					
	Refer to a recent GOM OCS Lease Sales EIS for a more complete list of IPFs					
	Emissions (air, noise light, etc.)	Effluents (muds, cuttings, other discharges to the water column or seafloor)	Physical disturbances to the seafloor (rig or anchor emplacements, etc.)	Wastes sent to shore or removal or disposal	Accidents (e.g., oil spills, chemical spills, gas releases)	Other IPFs identified
Site-specific at Onshore Location						
Designated biogeographic features		(1)	(1)		(1)	
Phreatic (fracture) areas, live bottoms		(2)	(2)		(2)	
Estuarine Gulf live bottoms		(3)	(3)		(3)	
Chemosynthetic communities			(4)			
Water quality		x			x	
Fisheries		x			x	
Marine mammals	x (8)	x		x	x (8)	
Sea turtles	x (8)	x		x	x (8)	
Air quality	x (9)					
Shallowack sites (known or potential)			(7)			
Prehistoric archaeological sites			(7)			
Neighborhood Onshore Location						
Essential fish habitat		x			x (6)	
Marine mammal sensitive areas					x	
Biological resource sensitive areas					(5)	
Coastal and Onshore						
Wetlands					x (6)	
Wetlands					x (6)	
Shorelands and wetlands adjoining lands					x (6)	
Coastal wildlife refuges					x	
Wilderness areas						
Other Resources Identified						

Footnotes for Environmental Impact Analysis Worksheet

1. Activities that may affect a marine sanctuary or topographic feature. Specifically, if the well or platform site or any anchors will be on the seafloor within the:
 - (a) 4-mile zone of the Flower Garden Banks, or the 3-mile zone of Stetson Bank;
 - (b) 1000-m, 1-mile or 3-mile zone of any topographic feature (submarine bank) protected by the Topographic Features Stipulation attached to an OCS lease;
 - (c) Essential Fish Habitat (EFH) criteria of 500 ft from any no-activity zone; or
 - (d) Proximity of any submarine bank (500 ft buffer zone) with relief greater than 2 meters that is not protected by the Topographic Features Stipulation attached to an OCS lease.
2. Activities with any bottom disturbance within an OCS lease block protected through the Live Bottom (Pinnacle Trend) Stipulation attached to an OCS lease.
3. Activities within any Eastern Gulf OCS block where seafloor habitats are protected by the Live Bottom (Low-relief) Stipulation attached to an OCS lease.
4. Activities on blocks designated by the MMS as being in water depths 400 meters or greater.
5. Exploration or production activities where H₂S concentrations greater than 500 ppm might be encountered.
6. All activities that could result in an accidental spill of produced liquid hydrocarbons or diesel fuel that is determined to impact these environmental resources. If the proposed action is located a sufficient distance from a resource that no impact would occur, the EIA will note that in a sentence or two.
7. All activities that involve seafloor disturbances, including anchor placement, in any OCS block designated by the MMS as having high-probability for the occurrence of shipwrecks or prehistoric sites, including such blocks that will be affected that are adjacent to the lease block in which the planned activity will occur. If the proposed activities are located at sufficient distance from a shipwreck or prehistoric site that no impact would occur, the EIA will note that in a sentence or two.
8. All activities that are determined to possibly have an adverse effect on endangered or threatened marine mammals or sea turtles or their critical habitats.
9. Production activities that involve transportation of produced fluids to shore using shuttle tankers or barges.

(B) Analysis

Site-specific at Offshore Location

Designated Topographic Features

There are no anticipated impacts to any marine sanctuaries or topographic features from the site-specific proposed activity in South Timbalier Area Block 51 and 52. The following Impact Producing Factors (IPFs) would not have any affects on topographic features: Effluents (including muds, cuttings, and other discharges), Emissions (including air, noise, light, etc.), Shore Bound Wastes, and Physical Disturbances to the seafloor. This lack of impacts is primarily due to the fact that the nearest designated topographic feature, specifically Diaphus Bank, is located within South Timbalier Area Block 314, which is approximately 53 miles away from the proposed activities.

The proposed activities are unlikely to affect the area via surface or subsurface oil spill. No ecological impacts are expected since the water depth would typically not allow any oil to reach the seafloor to impact any organisms found there. The dispersion rate would also be high enough that the oil that may remain in a subsea location due to a subsea leak would be moved away from any banks by natural current flow around that bank. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional Oil Spill Response Plan (OSRP) (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Pinnacle Trend Area Live Bottoms

The nearest block with a pinnacle trend live bottom stipulation occurs approximately 123 miles away in Main Pass Area Block 290. Therefore, Impact Producing Factors (IPFs) from South Timbalier Area Block 51 and 52 such as Effluents (including muds, cuttings, and other discharges), Emissions (including air, noise, light, etc.), Shore Bound Wastes, and Physical Disturbance to the seafloor are not anticipated to affect these site-specific features.

It is unlikely that any accidental surface or subsurface oil spill from the proposed activities would occur. However no impact to any biota associated with the pinnacle trends area live bottoms found in the Central Gulf of Mexico is expected due to a spill within this block, as the nearest block that falls within that stipulation is 123 miles away. This distance and the depth of the live bottoms alleviates any impacts due to oiling as most of the subsurface oil would immediately rise up to the surface or higher in the water column, and surface oil would never come into contact with anything at such a depth. The activities proposed in this plan will be

covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Eastern Gulf Live Bottoms

The nearest Eastern Gulf Live Bottom Area is over 123 miles east from the proposed activity in South Timbalier Area Block 51 and 52 therefore no IPFs (Emissions, Effluents, Shore Bound Wastes, Physical Disturbances to the Seafloor, and Accidents) are expected to impact any Eastern Gulf Live Bottom area.

It is unlikely that the any Eastern Gulf Live Bottom Area would be affected via an accidental surface or subsurface oil spill generated by the proposed activities. Due to the tendency of oil to rise in the water column, and the dispersal that would affect a surface or subsurface spill there would be little or no impact to Eastern Gulf Live Bottoms due to the distance from this block. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Chemosynthetic Communities

The proposed activities for South Timbalier Area Block 51 and 52 will occur in water that ranges from approximately 50 feet to 65 feet deep thereby eliminating any threat to Chemosynthetic communities, which would normally occur in water depths of at least 400 meters (1,312 feet). Therefore no IPFs (including: effluents, emissions, physical disturbances, accidents, or shore bound wastes) from the proposed activities in South Timbalier Area Block 51 and 52 would be expected to impact any chemosynthetic community.

Water Quality

As with all offshore activity there is always the probability for impacts to water quality. This usually occurs through accidents or effluent discharge. All discharges for the proposed activity are going to be in accordance with the National Pollutant Discharge Elimination System (NPDES), specifically Chevron U.S.A., Inc.'s general permit under GMG 290000 issued by the U.S. Environmental Protection Agency (EPA). Due to the analysis done by EPA no operational discharges are expected to impact water quality within South Timbalier Area Block 51 and 52.

It is unlikely that due to any of the proposed activities an oil spill would occur in South Timbalier Area Block 51 and 52. However if an accidental spill were to occur water quality would be adversely impacted for a period of time by

petroleum products and byproducts. However this time frame would be shortened by the natural dispersion and breakdown (organic and microbial decomposition) that would remove the oil from the water or at the very least would dilute it to levels that would be less hazardous to the environment. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Fisheries

South Timbalier Area Block 51 and 52 lies within the limits of the brown shrimp harvesting grounds, the white shrimp harvesting grounds, coastal demersal fish, coastal pelagics, primary industrial bottomfishing area and major finfish harvest area. This block lies outside the fishing limits of the principle menhaden fishing grounds and the principal seabob grounds. This area is also south of important blue crab and oyster lease producing areas, which are over 40 miles to the north near the coast (USIDOI, MMS, 1986, Visual No. 2).

Based on the proposed activities it is highly unlikely that an accidental surface or subsurface spill would occur. If a spill were to occur the finfish and shellfish that could be impacted would probably evacuate the area of impact and if any finfish and shellfish did come into contact with any spill residue the affect would most likely not be lethal as the finfish can metabolize the hydrocarbons and avoid increased exposure. The other IPFs that could occur within this area are unlikely to impact any of the above-mentioned fisheries. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Marine Mammals

Endangered or threatened whale species, which may occur in South Timbalier Area Block 51 and 52, are blue whale (*Balaenoptera musculus*), finback whale (*Balaenoptera physalus*), humpback whale (*Megaptera novaeangliae*), sei whale (*Balaenoptera borealis*) and sperm whale (*Physeter catodon*) (USDOL, Region IV Endangered Species Notebook).

The blue whale and sei whale have never been common in the Gulf of Mexico and have very few documented historical Gulf sightings. There is a small population of finback whales in the Gulf and Caribbean Sea (Schmidly 1981), with some Gulf sightings of fin whales in the deeper waters of the North-central Gulf (Mullin et al. 1991). The humpback whale is found in all oceans of the world; recent sightings in the Gulf of Mexico have been sporadic but included the Central and Eastern Gulf (Schmidly 1981). The sperm whale is the most abundant large whale in the Gulf of Mexico, and has been sighted on most

surveys conducted in the deeper waters. It is commonly seen off the continental shelf edge in the vicinity of the Mississippi River Delta (Mullin et al. 1991 in MMS 1992). Most of these whales, with the exception of the blue and sei whales, may utilize South Timbalier Area Block 51 and 52 at some time, however these would be very rare occurrences.

The West Indian manatee (*Trichechus manatus*), a federally endangered marine mammal, has historically utilized (seasonally) shallow protected estuarine waters of the northern Gulf of Mexico, including coastal Louisiana but would not be expected to utilize the open marine waters of South Timbalier Area Block 51 and 52 (MMS 1992).

Another utilization of this block would come from Cetaceans or more specifically Family Delphinidae, which includes the porpoises and dolphins, and species such as the Spotted dolphin (*Stenella plagiodon*), Common dolphin (*Delphinus delphis*), Atlantic Bottle-nosed dolphin (*Tursiops truncatus*), and the Short-Finned Pilot Whale (*Globicephala macrorhyncha*) (Lowery, 1974).

There may be adverse impacts by several of the IPFs to marine mammals due to the proposed activities for South Timbalier Area Block 51 and 52. These include but are not limited to: vessel traffic, noise, accidental oil spills, effluent discharge, and loss of shore bound wastes. The only lethal affects, which would be an extremely rare occurrence, if occurring at all, would be due to oil spills, ingestion of plastic material, or collision with a vessel. Some of the IPFs (noise, effluent discharge, etc.) would affect marine mammals in a non-lethal manner due to stress. When stressed the individuals in a population could become more prone to infection and weaken, this could affect entire pods, however these would be sporadic events and are unlikely to happen.

Any disturbance could theoretically affect populations of marine mammals but it is highly unlikely that this would occur due to their ability to travel to other areas within their home range. Fatalities are also unlikely and are unexpected barring catastrophic occurrences.

Sea Turtles

The following species are protected and are found within the Gulf Of Mexico: Kemp's ridley turtle (*Lepidochelya kempii*), green turtle (*Chelonia mydas*), hawksbill turtle (*Eretmochelys imbricata*), leatherback turtle (*Dermochelys coriacea*) and loggerhead turtle (*Caretta caretta*) (USDOI, Region IV Endangered Species Notebook).

The green turtle is found throughout the Gulf of Mexico with infrequent nesting occurrences throughout, and nesting aggregations on the Florida and Yucatan



coasts. Green turtles prefer depths of less than 20 m (66 ft) where seagrasses are abundant (NRC 1990). Leatherbacks are oceanic turtles but do enter shallower waters at times. There are rare but reported cases of leatherbacks nesting on the Florida panhandle (MMS 1992). The hawksbill is the least commonly reported marine turtle in the Northern Gulf, with Texas being the only state with regular occurrences. It is more common in tropical Caribbean waters. Kemp's Ridley is the most endangered species of marine turtle and is common in Texas and Mexico. Loggerheads occur worldwide in depths varying from those found in estuaries to the continental shelf. Major Gulf nesting areas for this species include the beaches along the Florida panhandle, South Florida, and Padre Island, Texas. In the Central Gulf loggerheads are known to nest on the beaches and the turtles are commonly observed around platforms. Some of these turtles, particularly the loggerhead, may temporarily utilize South Timbalier Area Block 51 and 52, however it would be infrequent and no impacts would be expected from the project.

IPFs such as vessel traffic, noise, shore bound waste losses, effluents, and accidental oil spills could possibly impact through stress or even kill small numbers of turtles. Oil spills and response activities have the potential to harm individuals through consumption of oil particles or oiled food sources. The Oil Pollution Act of 1990 has response planning techniques and protections in place to alleviate most of these issues.

The majority of impacts are not expected to be lethal, however the impacts that are expected through nonlethal IPFs could cause declines in survival and reproductive rates, which would have detrimental affects on the population as a whole, yet as stated above mitigative steps are already in place via the Oil Pollution Act of 1990.

Air Quality

No IPFs should impact the Air Quality within the immediate vicinity of the work proposed within South Timbalier Area Block 51 and 52. Emissions will be kept within accepted standards and Effluents, Physical Disturbances to the seafloor, and Shore Bound Wastes are not expected to decrease the air quality. In the unlikely event that an accidental oil spill would occur there might be some Air Quality impacts however these would be kept to a minimum.

Shipwreck sites and Prehistoric Archeological sites (known or potential)

Upon review of previous hazard surveys and archeological assessments it was determined that there was no indication that this, South Timbalier Area Block 51 and 52, would have shipwreck or archaeological sites. Any proposed activities would not be expected to impact any shipwrecks or archeological features.

Therefore it is highly unlikely that any of the IPFs, especially Physical Disturbances to the seafloor, would cause any impacts. Effluents, Emissions, Shore Bound Wastes, and Accidents would not be expected to impact any archeological sites if they were present.

Vicinity of Offshore Location

Essential Fish Habitat

This South Timbalier Area Block 51 and 52 lies within the limits of the brown shrimp harvesting grounds, the white shrimp harvesting grounds, coastal demersal fish, coastal pelagics, Primary Industrial Bottomfishing area and major finfish harvest area. This block lies outside the fishing limits of the principle menhaden fishing grounds and the principal seabob grounds. The area is also some distance from important blue crab and oyster lease producing areas, which are to the north near the coast (USDOI, MMS, 1986, Visual No. 2).

All marine waters and substrates of the Gulf of Mexico from the shoreline to the seaward limit of the Exclusive Economic Zone are considered essential habitat for fish managed by the Gulf of Mexico Fishery Management Council (GMFMC). Under this definition the marine waters surrounding South Timbalier Area Block 51 and 52 is included as EFH for species managed by the United States Department of Commerce, National Marine Fisheries Service through the GMFMC. The fisheries affected by the EFH designation are the fisheries for shrimp, red drum, coastal migratory pelagics, reef fish, and stone crab. However the proposed activities in South Timbalier Area Block 51 and 52 should not cause significant or long-term adverse impacts to Essential Fish Habitat. (GMFMC, 1998)

Based on the proposed activities it is highly unlikely that an accidental surface or subsurface spill would occur. If a spill were to occur the finfish and shellfish that could be impacted would probably evacuate the area of impact and if any finfish and shellfish did come into contact with any spill residue the affect would most likely not be lethal as the finfish can metabolize the hydrocarbons and avoid increased exposure. The other IPFs that could occur within this area are unlikely to impact any of the above-mentioned fisheries. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Marine and Pelagic Birds

Many of the IPFs would have no impact upon Marine and Pelagic Bird species. Effluents, Emissions, Physical Disturbances to the Seafloor, and Shore Bound



Wastes would not affect any avian species that would occur within South Timbalier Area Block 51 and 52. Accidental oil spills have the ability to impact individual birds, mainly due to the oiling of the individual's feathers and well as possible ingestion of the oil product. It is unlikely that a spill would occur from the proposed activities and if one did occur the activities proposed in this initial exploration plan document will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Public Health and Safety

There are no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, Shore Bound Wastes, or Accidents) that would cause any harm to public health and safety. The area is being requested to be classified, as H₂S absent, H₂S present, or H₂S unknown, in accordance with 30 CFR 250.417 (c) by the Mineral Management Service, based on previous drillings from the same block.

Coastal and Onshore

Beaches

With the exception of an accidental oil spill no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) are expected to impact any of the beaches in onshore locations. An accidental oil spill from the proposed activities would have a 15/26/29 percent chance (based on 3, 10, or 30 days from spill) of causing impacts to the beaches that occur on shore, in Terrebone Parish, 11 miles from South Timbalier Area Block 51 and 52. This distance along with the response capabilities implemented would greatly decrease the probability that an oil spill would have a large impact to these areas. Upon reviewing the OCS EIS/EA MMS 2002-052 publication the historical spill data and trajectory / risk calculations show that there would be a small risk of impact to the coastline or other shoreline environmental resources of Louisiana. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Wetlands

With the exception of an accidental oil spill no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) are expected to impact any of the wetlands in onshore locations. An accidental oil spill from the proposed activities would have a 15/26/29 percent chance (based on 3, 10, or 30 days from spill) of causing impacts to the wetlands that occur at

this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).

Wilderness Areas

There are no IPFs (including Emissions, Effluents, Physical disturbances to the seafloor, and Shore Bound Wastes) that are expected to have any impact to any of the onshore Wilderness Areas. An accidental oil spill from the proposed activities should not cause impacts to any coastal Wilderness Areas. Louisiana has three areas designated by congress as Wilderness Areas, namely Breton Wilderness, Kisatchie Hills Wilderness, and Lacassine Wilderness. The only wilderness area located along the coastal region of Louisiana is the Breton Wilderness. Breton Wilderness is located on the eastern side of the Mississippi River over 100 miles from South Timbalier Area Block 51 and 52, therefore no impacts from the proposed activities are expected to impact Breton Wilderness. The activities proposed in this plan will be covered by Chevron U.S.A., Inc.'s regional OSRP (refer to Section F which contains information submitted in accordance with NTL 2002-G08).



Other Environmental Resources Identified

It is expected that the proposed activities in South Timbalier Area Block 51 and 52 will have no other environmental resources identified or impacted.

(C) Impacts on South Timbalier Area Block 51 and 52

It is expected that the activities proposed for South Timbalier Area Block 51 and 52 will have no impacts on site-specific environmental conditions. The conditions of the site have been analyzed in order to make this judgment.

(D) Alternatives

Due to the lack of Environmental Impacts no alternative was considered for the proposed activities in South Timbalier Area Block 51 and 52.

(E) Mitigation measures

With the exception of measures required by regulation no mitigative steps will be taken to avoid, diminish, or eliminate potential impacts to environmental resources.

(F) Consultation

John Chance Land Surveys, Inc. / FUGRO Ecological Scientists were consulted regarding potential for impacts to environmental resources due to the proposed activities.

(G) References

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