

00990 Nο

A. GENERAL INFORMATION:	110. 00000
678544	<u>C</u>
1. Spin motorit Humber.	
2. Name of Location 12 IMO RIVER PIPE	LINE AT UZYAKU
3. Name of nearest community UZUAKY	
4 State ABIA	YKWA - WEST
0.0-1	Mrc. IPINECE
5. Type of Production facility/Installation PIPE LINEAsset own	ner /District
B. INCIDENT INFORMATION: 6. Details of incident 277# June 3	2011
b. Date/Period of investigation, 297H JUNE	2011
c. Description of spill point environment	
☐ Firmed soil [V] [N]	, AFTER JOINT
☐ Loose soil [Y] [N] ☐ Previously excavated area [V] [N]	INVESTIGATION OF THE
Under water [Y]	
□ Swampy [Y] [V]	INCIDENT SPILL WAS FOUND
☐ Exposed pipe surface [Y] [₩	TO BE DUE TO
d. Description of leak point (tick as applicable);	
□ Drilled hole,	[Y] [NY THIRD PARTY [Y] [NY INTERFERENCE.
☐ Hack saw cut, ☐ Explosive tear,	[Y] [N] INTED TED SAICE.
☐ Complete Rupture	[Y] [WIERTERENCE .
☐ Inward dent,	
☐ Well head tampering	[Y] [N]
☐ Failed Weld-on illegal hot tap valve,	
☐ Missing pipeline (flowline)	
☐ Crude oil theft (illegal bunkering) point,	[V] [N] [Y] [N
☐ Third party tampering with Clamp Bolt/Nut,☐ Third party tampering with valve setting,	
☐ Third party tampering with flange Nuts/bolts,	[Y] [Y],
Corrosion,	[Y] [W]
Type:	
□ Saver-pit over flow,	[Y] [W]
☐ Surge vessel overflow,	
 Outward dent Others (specify) 	[Y] [N]
e. Spill point coordinates (NANNA KAN BEC	
Northing: (sn)	Easting: (m)
101528.47	524727.90

C. RISK/DAMAGE ASSESSMENT

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7.	Type of environment of spill site:	
	Land	
	□ Swamp	
	□ water 2	
	Type of environment of which oil has spread:	
	Land	
	Swamp	
0	□ water	
8.	Distance from the nearest sensitive habitat	
	□ Government reserved and designated protected area	[NU ,m]
	□ Drinking water source NOT	[Nu,m]
	□ Built up area □ Farmlands □ Fish Farm/Pond □ Fish Farm/Pond	[Nu ,m]
	□ Fish Farm/Pond APPUCABLE	
	☐ Fishing net	
	Others (specify).	[](,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
9.	Containment measures put in place;	
	□ Booms	[Y]. [N /
	□ Trench	ואו ואו.
	□ Dyke	ĬŸĬ ĬŸĬ
	□ Others:	_
10.	Any pictures or video coverage?	[V]
	•	
11.	Was there any disruption to the investigation?	[Y] [X)
If was aire	e brief description:	
————	e oner description.	
- 	ADDIC ARIS	
74	JI INTI CABLE	
	-	
D. TYPE	NUMBERS OF PROPERTIES, IF ANY, FOUND WI	THIN THE AREA OF SPREAD OF OIL

D.

A. Structures / Properties

S/N	Type of Structures	Description	Size	Number	Comments
	•				
Λ.	INNE WIT	WINA	DOAN	TIMPA	-CT
	VOIVE PIT	HITT	INCX 6	1 1 4 .	-1
<u> </u>				•	,
		<u> </u>	<u> </u>		



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B. Crops/Economic Trees

S/N	Types of crops	Young	Medium	Matured	Quantity	Comments
	-					
٨	DALA	11,711,41	A 0:	- 1	٠ ،	
/ /	0140	אודחוש	TKX	ちもい	- JUYYLY A	701
			•	'		

C. Fish/Nets/Ponds

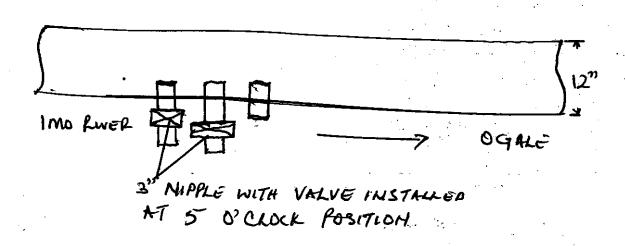
S/N	Fish/Nets/Ponds		sh/Nets/Ponds Description		Quantity/Size		Comments	
				* 4 5	A 7		DAGE	
/Y_	DNC	NI	H N	AKCH	70	_ / {/	17401	

D. Others (Specify) i.e. Animal Traps

S/N	Others		Description	a " : " : " : "	Quant	ity/Size	Comments
\square	1 AL.	4.15			5.0	\wedge	
_ / Y	DIAR	2	171119	AK	577	04	IMINACT

E. GRAPHIC DESCRIPTION OF LEAK POINT (Details should be contained in leak repair report)

A SECTION OF 12" MORIVER PRELINE AT UZMAKU SHOWING THE PLACE BUNKELING POINTS



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F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION (MUNNA MUS BELT) E. Coordinates

		Footing ()
S/N	Northing (M)	Easting (M)
1 -	101519.29	524716-40
2	101463 · 89	524727-50
3.	1015503.95	524710-20
4.	101525.40	524734.89
5.	101522.33	524734-89
6.	101464 · 83	524708 . 34
-		
	·	
		·

THOMPINE DIPONE APPORT	No.	09 9)։
G INCIDENT INFORMATION:		- ,
17 Impacted Area Details		
a. Total calculated area of impact 0.12 #	4	
Impact within SPDC R.O.W		
Impact outside R.O.W	<u> </u>	
8 Volume of oil recovered before completion of IIV (V _{rec.}):		
Recovered oil V _{recj} :	NIL	barrels
19. Computation of the residual volume on site a. Computation of the volume of pooled free phase oil (on land or of including	confined water bod 907 0.00	barrels
b. Computation of volume of infiltrated oil in the soil (V-3). i Area (m²) covered by the oil: ii Average Depth (m) below ground surface of iii Soil type: iv. p_e (effective porosity of the soil:	of infiltration of oil:	0.07
Volume of infiltrated oil. Visi		6 barrels
	nos must	

20. Computation of volume of oil on open water based on standard coloration.

	Thickness (mm)	Percentage coverage	Volume (m3)		
Barely Visible	0.00004				
Silvery	0.00008	707			
Slight Colour	0.00015			,	
Bright Colour	0.0003	APPIIC	ABLE		
Dull	0.001				
Dark	0.002				
Black oil	0.1				
Emulsion (30% Oil)	1				
	Percent Total	100%	Total Volume	NUL	bbl

Spill Factors from USCG FOG (2000 Edition)



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21 0 1 1 2		e of all on open wa	ater V	YIL	barrels					
21. Calculation of evaporated volume:										
i. Oil type: BONNY MEDIUM										
ii. E-Fa	ii. E-Factor: 15 %									
iii.										
Volume of evaporated oil. View 6 · / barrels										
Oil Type		Bonny Light	Bonny Medium							
		E-Factor	E-Factor	-]						
Period Since Oil Spill	<1 day	10%	5%							
	1-7 days	25%	15%	7						
	>7 days	40%	25%	<u> </u>						
VEst(bbls)= 40.6 10. Net Total Estimate (bbls) + VrecJ (bbls) VEst(bbls)= 40	BAPREL d Spilled Volum ls) = 6 · 1 · 7 · 6 BAPP	ne VEst(bbls) = 1 HNUL + 6+ ELS	V vap (bbls) + 0.6	(bbls) + V_{inf} (bbls) + V_{po} 40.6 *Vwat (bbls) + V_{inf} (bbls) *NIL = 40.6)+Vpool					
*Calculation of the resp *Conversion of m3 to b *Emulsification factor f	arrel is Total vo	lume VT (m3) x6.	.29	pill estimation software or il.	ı site					
This report was filled and signed on the										
Department of Petroleum Resources [DPR]:□										
• National Oil Spill Detection and Response Agency [NOSDRA]:										
State Ministry of Environment [SME]:										
• Nigeria Police Force [NPF]:										
• Shell Petrole	eum Developi	nent Company	[SPDC]: 🗖	•						
Tick as applicable										