No. 01588	
A. GENERAL INFORMATION: (9775) 672654	
. Spin metaent rumber.	
Name of Location OLOMORO COMPRESSOR STATION 2	_
Name of nearest community OLOMORO	
1 State DELTA LGA ISOKO SOUTH	
1. State DELTA LGA ISOKO SOUTH  5. Type of Production facility/Installation STATION  STATION	
B. INCIDENT INFORMATION:  6. Details of incident  a. Date of incident  b. Date/Period of investigation,   6   06   20   1	
e. Spill point coordinates	
Northing: Easting:	

Page 1 of 7

416641 M

161517M

## C. RISK/DAMAGE ASSESSMENT

No. 1538

7	7.	Type of environment of	of spill site:			
	Q.	Land				
		Swamp				
	0	water				
		Type of environment of	of which oil has sp	oread:		
	Þ	Land				
		Swamp				
		water				
8	i.	Distance from the nea	rest sensitive habi	tat		
		Government reserved and d	esignated protecte	ed area [	U.Lm]	
		Drinking water source		[ 🔥	لارب <sup>m</sup> ]	
		Built up area Farmlands		į, į	ry(Cm]	
		Fish Farm/Pond		į. T	<b>う</b> ,m] <b>ハ</b> (上 <sup>m]</sup>	
		Fishing net			K(rm]	
		Others (specify).		٠,	-	
9	).	Containment measure	s put in place;			
	•	-Booms		[ X,	[N]	
		Trench		[ Y]	[N]	
		Dyke		[Y]	[ N]	
		Others:				
1	0. A	ny pictures or video coverag	e?	[V]	[N]	
1	1. V	Vas there any disruption to th	e investigation?	[ Y]		
If yes g	ive b	rief description:				
				U71 6	-14	
		101 AF	PPLICE	* 13 120		
		(000 )				
D. TYI	PE/N	UMBERS OF PROPERTI	ES, IF ANY, FO	UND WITHIN	THE AREA OF SP	READ OF OIL
A.	Str	actures / Properties				
S/N		Type of Structures	Description	Size	Number	Comments
1 3/1	+	Type of Structures	Description	512.0	1 Tullioci	Comments
	_	<u> </u>				
		5-100 C C - 1	WITHU	J ARE	PUP	IMPACI
	T	Atorte 1	7			11.11.
<u> </u>	_					
	- 1				1	



# THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED JOINT INVESTIGATION REPORT FOR INCIDENT NO: 9775 672654

No. 1588

### B. Crops/Economic Trees

S/N	Types of crops PLANTAIN	Young	Medium	Matured	Quantity	Comments
	PLANTAIN				0	
[	<i></i>					
$\mathcal{L}_{-}$					<i>M</i>	

#### C. Fish/Nets/Ponds

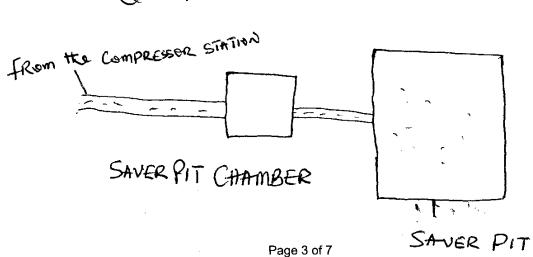
S/N	Fish/Nets/P	onds	]:: <b>1</b>	Description	Quantity	/Size	Commen	its
	0146	MIT	HIM	ARCA	OF	IMI	PACI	·

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

S/N	Others		Des	cription	Quantit	y/Size	Comments	
						***		
				ADEL	- nT	111	DACT	
	ONE	KIT (	HIM	771001		1 12.1		

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





# THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED JOINT INVESTIGATION REPORT FOR INCIDENT NO: (1775) 672654

No 01588

F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION E. Coordinates

S/N	Northing	Easting
	161516	416623
	161514	416621
	161504	416623 416621 416625 416628 416627 416630 416631
	161 499	416628
	161 494	416627
	161 493	416630
	161505	416629
	161501	416631

N	Q.	1538	2
		エレジラボ	è

G. II	NCIDENT INFORMATION:
17	Impacted Area Details
	a. Total calculated area of impact 77.5 M2
	• Impact within SPDC R.O.W 77.5 M <sup>2</sup>
	Impact outside R.O.W
18	Volume of oil recovered before completion of JIV (V <sub>rec.J</sub> ):
••	Recovered oil V <sub>recj</sub> : N//L barrels
19.	Computation of the residual volume on site  a. Computation of the volume of pooled free phase oil (on land or confined water body).  i. Area (m²) occupied by pool of free phase oil 39 M²  ii. Average Depth (m) of pool of free phase oil
	iii. EMULSIFICATION FACTOR IS 60%  Volume of pooled of free phase oil. V <sub>pool</sub> : 0.2 barrels  iv.
	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 infiltration of oil:  iii Soil type: <u>LATEI21TE</u> iv. $p_e$ (effective porosity of the soil:  v.
	Volume of infiltrated oil. V <sub>int</sub> : 5 · 8 / barrels
20.	Computation of volume of oil on open water based on standard coloration.
	Thickness Percentage

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

Spill Factors from USCG FOG (2000 Edition)

THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED
JOINT INVESTIGATION REPORT FOR INCIDENT NO: 9775 672654

No. 1538

	Volumi	e of oil on open w	ater V <sub>wat</sub> e	NIL	barrels
21. Calculation of e	evaporated vol	ume:	RANCONING ANTHONY		
i. Oil	type: <u>                                     </u>	11 WEDIG	M		
ii. E-F	actor: 15	0/0			
iii.					
200 200 200 200 200 200 200 200 200	Vol	ume of evaporate	d oil, Xver	1.06	barrels
Oil Type		Bonny Light	Bonny Medium		
		E-Factor	E-Factor		
Period Since Oil Spill	<1 day	10%	5%	1 .	
	1-7 days	25%	15%	1	
	>7 days	40%	25%		
				$\frac{1}{(bbls) + V_{inf}(bbls) + }$	
10. Net Total Estimate (bbls) + VrecJ (bb  VEst(bbls)= 7  *Calculation of the resp	o 1 BB ed Spilled Voluments)  O 7 BB executive estimate	L ene VEst(bbls) =	ne using the new sp	*Vwat (bbls) + Vinf (l	
*Conversion of m3 to b *Emulsification factor	for spill on wate	er to consider is 60	% of volume of oi		
This report was fi investigation repre	sentative from		<u>6 /06 /</u> 20_	at incident si	te by joint
<ul> <li>Host Comn</li> </ul>	nunity 🗓				
• Department	t of Petroleun	n Resources [D	PR]:□		
National Oil	Spill Detecti	on and Respons	e Agency [NOS	DRA]: 🔟	
State Minist	ry of Environ	ment [SME]:			
• Nigeria Poli	ce Force [NP]	F]: 🗖			
Shell Petrol	eum Develop	ment Company	[SPDC]: 🔟		
				Tick a	s applicable
				,,	