INCIDENT NO: 2066027 JIV report S/N: 1134

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GENERAL INFORMATION:		
1. Spill incident Number: 206602	2.Type of incident*	OIL SPILL
3. Name of Location 24" TRAMS - F		
4. Name of nearest community DD1MIDD1		
		LGA BUKUTU
7. Type of Production facility/Installation OIL F		
8. Asset owner/District THE SHELL PE OF NIGER B. INCIDENT INFORMATION:	TROLEUM DE	MELOPMENT COMPAN
B. INCIDENT INFORMATION:	IA LIMITED /	PIPELIME
9. Details of incident a. Date of incident: 25 TH APRIL 2C b. Start date/time of investigation: 4 TH MAN c. Investigation End date: 7 TH JULY 2D18 d. Description of spill point environment Grim soil	Actual investigation duration	Toint Investigation
e. Description of leak point (tick as applicable);		
Drilled hole	☐ Hack saw cut	☐ Tear (),
Complete Rupture	☐ Inward dent,	☐ Well head tampering
Failed Weld-on illegal hot tap valve	Failed Clamp,	Missing Pipeline/Flowline
Crude oil theft (illegal bunkering) point,	Saver-pit over flow	☐ Third party tampering with Clamp
☐ Third party tampering with valve setting☐ Flare System/Bund wall failure	Bulging Outward	☐ Third party tampering with flange,
☐ Valve Failure	☐ Cold vent☐ Relief valve failure	Surge vessel overflow,
Corrosion	Others(specify)	Accidental 3rd party equipment impact
f. Incident caused by: ☐ Third party interference (Sabotage☐; crude)	theft□; Line theft□; Accide	ental 3 rd party damage□)
Operational	Others(specify)	

^{*}This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

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Northing:	LATITUDE	Easting: LONGITUDE
	5.287130	5:370905
SK ASSESSME	NT.	
. Type of enviro		
Land	Swamp	Seasonal swamp Shoreline/Waterfront
i. Type	of environment to which oil has spr	ead:
Land	⊠ Swamp □ Water	River (identify) ODIMODI RIVE
ii. Weatl	ner condition	
Rain	√2 Sunny □Dry □	Wet □Windy □Hot □cool
. Distance from	the nearest sensitive habitat	
Drinking Built up a Farmland Fish Farn Others (sp	rea ' s n/pond	[MIL, m] [2, m] [3, m] [,m] → IMPACTED BY SPIL
Booms	□Trench □D	yke Natural depression Pit None
Others:		
. Any pictures o	r video coverage?	[N]
	se/repair initiated as at the time of J	IV? [N]
. Further respon		

	INCID	ENT	10: 20	6602	7 JIV re	eport S	/N:1	134
If ye	s to item 15 give br	ief descrip	otion:					
	NIOT	A	PPLI	CABL	E			
	TYPE/NUMBERS 6. Structures / Prop		PERTIES, IF	ANY, FOUNI	WITHIN THE	AREA OF	SPRE	AD OF OIL
S/N	Type of Struct		Description	Size	Numb	er		Comments
M	DME h	1177	N A	REA	OF	MP	A-C	T
	7. Crops/Economic	c Trees						
S/N	Type of crops		oung	Medium	Matured	Quar	Consumer State Section	Comments
2	RAFFIA PALM		10	V	1	FO		IMPACTED
3	COCONT		_		V	FEV	Mos	BYTHE
			_	/		1	-	10/12
	8. Fishing Nets/Fis	h Ponds						
S/N	Nets/Ponds		Descript		Quantity/Size	NO THE STATE OF TH	Comr	Control of the Contro
2	FISHING NET	- 31	4X5 (1		F NOS			124
3	FISH CAGE		OIL STAN		31 NUS 15 MOS	IFE	- SP.	122
	11011 01010		-	, cy	19 1905		_	
	9. Others (Specify) i.e. Anin						
S/N	Others FISH TRAP		Description 12 STAIN		Quantity/Size	1200	Comr	
-	HOH IKKY		12 317A1	1	56 NOS	IMPACI	EN B	4 THE SPILL
						-		
			/			THE STATE OF	CONTRACTOR OF THE PARTY OF THE	
_ 1	he leak report, over	view skete	ch of the site sh	rould be added	l as an appendix	D		
1079	1 0000	1 1 1	-77.43	PCHIL	3 rive	LINE	1+1	ODIMODI
11	4 1051110	N OF	AFFECT	ED SUR	MERGER	PART	OF 7	HE PIPELINE
	<u> </u>		NATER					
17/	Manner 1		REEK	BED		TITITI		
+"\(\)		PIF	ELINE				7	24"
41/					\			V

FROM BRASS CREEK MANIFOLD TO FORCADOS TERMINAL Page 3 of 8

INCIDENT NO: 2066027 JIV report S/N: 1134

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

20. Impacted area boundary Coordinates (If more, Print and attach as an appendix)

S/N	Northing	Easting
		47
		4
		13. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
*	-05	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
		M. D.
		1 2000
+		T
	17	

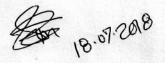
PT_ID		LONG_X	LAT_Y	REMARKS				
	18							
	34			LIGHT IMPACT ON LAND				
	33		5.2898	LIGHT IMPACT ON LAND				
	32							
	31	5.37071	5.28917	LIGHT IMPACT ON LAND				
	30	5.37075	5.28891	LIGHT IMPACT ON LAND				
	26	5.37083	5.28869	LIGHT IMPACT ON LAND				
	25	5.37064	5.28871	LIGHT IMPACT ON LAND				
	24	5.37085	5.28787	LIGHT IMPACT ON LAND	O THE INCOME.			
	23	5.37101	5.28773	LIGHT IMPACT ON LAND				
	22	5.37119	5.2874	LIGHT IMPACT ON LAND				
	42	5.37119	5.28726	LIGHT IMPACT ON LAND				
	40	5.37073	5.28733	LIGHT IMPACT ON LAND				
	39	5.3706	5.28813	LIGHT IMPACT ON LAND	TO TOWNS TH			
	38	5.37038	5.28822	LIGHT IMPACT ON LAND				
	37	5.37047	5.28855	LIGHT IMPACT ON LAND				
	36	5.37017	5.28915	LIGHT IMPACT ON LAND				
	35	5.37034	5.28961	LIGHT IMPACT ON LAND				
	34	5.37002	5.29017	LIGHT IMPACT ON LAND				
	74	5.36144	5.28369	SHEEN				
	72	5.36043	5.28327	SHEEN				
	70		5.28242	SHEEN				
	69	5.35721	5.28191	SHEEN				
	68							
	65	5.35478	5.28143	SHEEN				
	64	5.35428	5.2809					
1	915							
	62	5.35372	5.28092					
	61		5.28096					
	60		5.28093					
	59							
	58				O TOARMI YVA			
	57							
	56							
	55							tel
	54							
	53		5.28359					
	101			LIGHT IMPACT ON WATER				
	165			LIGHT IMPACT ON WATER		50.05.8	25378.2	
	160			LIGHT IMPACT ON WATER			5,37436	
	161	5.37452		LIGHT IMPACT ON WATER				
	162	5.37546		LIGHT IMPACT ON WATER				
	163			LIGHT IMPACT ON WATER				
	164			LIGHT IMPACT ON WATER				
	154			LIGHT IMPACT ON WATER				
	41			LIGHT IMPACT ON WATER				
	41	3.3/132	3.20033	LIGHT HWIPACT ON WATER			.FETTER A	

(2018)

43	5.37067				
83	5.37046	5.2869 LIGHT IMPACT ON WATER			
82	5.36842	5.28681 LIGHT IMPACT ON WATER			
81	5.36657	5.28679 LIGHT IMPACT ON WATER			
80	5.36543	5.28633 LIGHT IMPACT ON WATER			
79	5.3637	5.28611 LIGHT IMPACT ON WATER			
77	5.3627	5.28513 LIGHT IMPACT ON WATER	FROMBIA (Hotel XIXEX E)		
76	5.36149	5.28438 LIGHT IMPACT ON WATER			
74	5.36144	5.28369 LIGHT IMPACT ON WATER			
53	5.36083	5.28359 LIGHT IMPACT ON WATER			
52	5.36134	5.28453 LIGHT IMPACT ON WATER			
51	5.3617	5.2846 LIGHT IMPACT ON WATER			
50	5.3621	5.28512 LIGHT IMPACT ON WATER			
49	5.3636	5.28622 LIGHT IMPACT ON WATER			
48	5.36464	5.28638 LIGHT IMPACT ON WATER			
47	5.36576	5.28687 LIGHT IMPACT ON WATER			
45	5.36887	5.28723 LIGHT IMPACT ON WATER			
44	5.37022	5.28718 LIGHT IMPACT ON WATER			
40	5.37073	5.28733 LIGHT IMPACT ON WATER			
42	5.37119	5.28726 LIGHT IMPACT ON WATER			
91	5.37177	5.28725 LIGHT IMPACT ON WATER			
92	5.3726	5.28717 LIGHT IMPACT ON WATER			
94	5.37294	5.28709 LIGHT IMPACT ON WATER			
95	5.37369	5.28706 LIGHT IMPACT ON WATER			
96	5.37536	5.28763 LIGHT IMPACT ON WATER			
97	5.37538	5.28836 LIGHT IMPACT ON WATER			
98	5.37484	5.28882 LIGHT IMPACT ON WATER			
99	5.37358	5.28954 LIGHT IMPACT ON WATER			
100	5.37334	5.28997 LIGHT IMPACT ON WATER			
92	5.3726	5.28717 HEAVY IMPACT ON WATER			
93	5.37262	5.28768 HEAVY IMPACT ON WATER			
94	5.37294	5.28709 HEAVY IMPACT ON WATER		5.35872	
151	5.37907	5.294454 SHEEN			
147	5.37978	5.2939 SHEEN	SIZ8337 SHEEN		
148	5.37902	5.29337 SHEEN			
149	5.37679	5.29231 SHEEN			
150	5.37629	5.29197 SHEEN		5,37358	
166	5.37426	5.29206 SHEEN			
165	5.37358	5.29104 SHEEN			
101	5.37273	5.29135 SHEEN			
102	5.3728	5.2921 SHEEN			
103	5.37457	5.29345 SHEEN			
104	5.37613	5.29343 SHEEN			
105	5.37655	5.29299 SHEEN			
1915	5.353763	5.280917 SHEEN			
1912	5.354335	5.279585 SHEEN			
1910	5.35324	5.276682 SHEEN			

1907	5.35243	5.27405 SHEEN	
1906	5.352157	5.272858 SHEEN	
1904	5.351824	5.271659 SHEEN	
1902	5.3515	5.270441 SHEEN	
190	5.35119	5.26922 SHEEN	
189	5.35118	5.26898 SHEEN	
191	5.35068	5.26849 SHEEN	
185	5.3507	5.26802 SHEEN	
181	5.34987	5.2677 SHEEN	
180	5.34937	5.26774 SHEEN	
179	5.34895	5.26752 SHEEN	
178	5.3491	5.26724 SHEEN	
1700	5.349196	5.26711 SHEEN	
176	5.34861	5.26652 SHEEN	
175	5.34838	5.26676 SHEEN	
172	5.34786	5.26646 SHEEN	
171	5.34769	5.26636 SHEEN	
170	5.34732	5.26627 SHEEN	
2070	5.347019	5.266414 SHEEN	
2080	5.346799	5.266051 SHEEN	
2090	5.346442	5.265445 SHEEN	
168	5.34603	5.26506 SHEEN	
210	5.34603	5.26512 SHEEN	
209	5.34643	5.26547 SHEEN	
208	5.34676	5.26605 SHEEN	
207	5.34701	5.26646 SHEEN	
206	5.34739	5.26632 SHEEN	
205	5.34767	5.26641 SHEEN	
204	5.34788	5.26657 SHEEN	
202	5.34828	5.26676 SHEEN	
201	5.34835	5.26688 SHEEN	
200	5.34864	5.2666 SHEEN	
177		5.26708 SHEEN	
199	5.34911	5.26718 SHEEN	
198	5.3489	5.26756 SHEEN	
197	5.34934		
196	5.34989	5.26783 SHEEN	
184	5.35041	5.26797 SHEEN	
194		5.26806 SHEEN	
188		5.26853 SHEEN	
	5.351141	5.268996 SHEEN	
1900		5.269234 SHEEN	
1901		5.270448 SHEEN	
		5.271659 SHEEN	
		5.272868 SHEEN	
1914	5.35241	5.274057 SHEEN	
1909	5.353232	5.2767 SHEEN	

5.354305	5.279597	SHEEN
5.35372	5.28092	SHEEN
5.370865	5.28705	BOOM AROUND SPILL POINT
5.3709	5.28719	BOOM AROUND SPILL POINT
5.37105	5.28723	BOOM AROUND SPILL POINT
5.37075	5.28891	FISH POND
5.37095	5.2889	FISH POND
5.3709	5.28886	FISH POND
5.37094	5.28874	FISH POND
5.37083	5.28869	FISH POND
5.37132	5.28695	BOOM
5.37067	5.28669	BOOM
5.35372	5.28092	BOOM
5.35376	5.28096	BOOM
	5.35372 5.370865 5.3709 5.37105 5.37075 5.37095 5.37094 5.37083 1 5.37132 3 5.37067 2 5.35372	3 5.35372 5.28092 4 5.370865 5.28705 5 5.3709 5.28719 5 5.37105 5.28723 5 5.37075 5.28891 5 5.37095 5.2889 8 5.3709 5.28886 7 5.37094 5.28874 5 5.37083 5.28695 1 5.37132 5.28695 2 5.35372 5.28092



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G. INCIDENT INFORMATION:	
a. Impacted Area Details	* *
• Total calculated area of impact 23-46Ha	
Impact within R.O.W	
Impact outside R.O.W	
b. Volume of oil recovered before completion of JIV (VrecJ):	1- 1
Recovered oil V _{rec.J} : 693	Barrels
Controlled recovery/evacuation from source with no impact to environment: MIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
923.92 BARRELS Estimated Reported Volume** V _{rep} (bbls)= 924 BARRELS	
Estimated Reported Volume** V _{ren} (bbls)= 924 BARRELS	
Notes: Volume estimation was done using an excel based tool.(see attached for details on the calculation) Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estim Conversion of m³ to barrels is Volume: (m3) x 6.29: **Round up estimated volume to next whole number using the follow • Any spill volume in excess of I bbl is rounded up to the next whole number:	nation software on site: ving rules:
Any spill volume in less than I bbl is rounded up to the next 0.1 bbl.	
Examples: Calculated volume = 15.3 bbl Reported volume = 16 bbl Calculated volume = 0.35 bbl Reported volume = 0.4 bbl Calculated volume = 0.01 bbl Reported volume = 0.1 bbl	

Wherever this estimation tool is not applicable please refer to paragraph 6e (Deviations) of the JIV procedure to use appropriate steps for volume estimation: record the calculation in a plain sheet of paper and attach to the JIV report.

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-	General	Ctatura	of the	cita
u.	General	Status	or the	SILE

i.	Joint investigation of the incident site found that there is no residual impact after the initial response	and JIT
	therefore recommend that the site be closed out	
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	10

e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community:
- Department of Petroleum Resuurces [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owners
- Signatories agree with reported findings:
- Separate DPR form has been filled out with same findings □

Tick as applicable

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f. Appendix 1: Overview sketch of the site

