INCIDENT NO: 2992983 JIV report S/N:

0668

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

A. GENERAL INFORMATION:		
1. Fountain Incident Number: 29929	2. Type of incid	lent* OIL SPILL
3. Name of Location 36" RUMUEK	PE - NKPOKU	PIDELINE
4. Name of nearest community 13AA		6. LGA EMOTTUA
	PIPELINE	O. LOA CT (OLTWA)
		JELERMENI GONZANY
8. Asset Owner/Hub HE SHELL PER OF NIGERIA LIN	AUTED (SPDO)	PIPELINE
		(, ,)
9. Details of incident a. Date Reported: 61H JULY, 203	21 ,	
b. Start date/time of Investigation: FIH J	ILY, 2021/1531	SONT
c. Investigation End date: 191H JULT,	202 Day(s) on	site: ITARE (3) DAYS
d. Description of spill point environment		
Firm soil Loose s	soil L	Recently excavated area
Under water Swamp	5.0	Exposed pipe surface
☐ Well Platform (on water) ☐ Drill R	ig L	Sand bag(s)
Additional observations around the spill point:		
NOT AF	PLICA	BLE
,		
e. Description of leak point (tick as applicable);		
Smooth round-edge hole	☐Rough-edge hole	
Complete Rupture	_	Hack saw cut
☐Complete Rupture ☐Failed Weld-on illegal hot tap valve	☐ Inward dent,	☐ Well head tampering
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point,	_	☐ Well head tampering ☐ Missing Pipeline/Flowline
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange,
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow,
☐ Failed Weld-on illegal hot tap valve ☐ Crude oil theft (illegal bunkering) point, ☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange,
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow,
□ Failed Weld-on illegal hot tap valve □ Crude oil theft (illegal bunkering) point, □ Third party tampering with valve setting □ Flare System/Bund wall failure □ Valve Failure □ Tear (☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent	 □ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow,
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Tear () Others (specify) f. Incident caused by: Third party interference (Sabotage 🗆; crude)	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure	□ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow, □ Accidental 3 rd party equipment impact
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Tear () Others (specify) f. Incident caused by: Third party interference (Sabotage 🗆; crude)	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure	□ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow, □ Accidental 3 rd party equipment impact
Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Tear () Others (specify) f. Incident caused by: Third party interference (Sabotage 🗆; crude)	☐ Inward dent, ☐ Failed Clamp, ☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure theft ☐, Line theft ☐; Accid	□ Well head tampering □ Missing Pipeline/Flowline □ Third party tampering with Clamp □ Third party tampering with flange, □ Surge vessel overflow, □ Accidental 3 rd party equipment impact

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	easuring unit		W4384	1-	
	-Northing:	LATITUDE		Easting: LON	GITUDE
	4	-19538	1	6.822	PO1
	ASSESSMEN Details of Envi				2
i.	Type of env	ironment where	spill occurred (sele	ct one):	
	Land	Swamp	Water	Seasonal swamp	☐Shoreline/Waterfrom
ii.	Type of en	vironment to which	ch oil has spread:		127
	Land	Swamp	□Waterbody (sp	pecify)	
iii.	Weather co	ndition			
	Dry	Wet	□Windy	□Hot	
11. D	Distance to Sen	sitive habitat wit	•	—	
	□ Drinking w □ Surfa □ Built up Ar □ Reside □ Farmlands □ Fish Farm/l □ Fishing net □ Others (spe	rater source ce water Bo rea ential Area Co Pond cify) asures put in place: Trench Dyke	ignated protected area	[NIL ,m] [SO ,m] [NIL ,m] [NIL ,m] [NIL ,m] [NIL ,m]	
				(X) [N]	
14. I			at the time of JIV?	(A) [N]	
	m 14, give brief d	escription:	NG 15 01		

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Blue (Host Community)

INCIDENT NO: 2992983JIV report S/N: 0668

15 Was discussion 15
15. Was there any disruption to the investigation? [Y]
If yes to item 15 give brief description:
NOI APPLICABLE
16. Was JIV delayed? [Y] [N]
Reason(s):
Delayed Community Access Approval Security Challenges Access constraint due to terrain
Others (specify)
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties
S/N Type of Structures Description Size Number Comments
A A A A A A A A A A A A A A A A A A A
IVUIVE MITTHINITA OF IMPACE
18. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments 1. PLANTAIN 20 30 10 60 NORTH COMMENTS
2. PALM TREE TO IS S 30 IMPACTED
3. RAPHA 5 10 5 20 MARCED
19. Fish/Nets/Ponds S/N Fish/Nets/Ponds Description Quantity/Size Comments
I NETTRAP FISHING Quantity/Size Comments MARKETED
20. Others (Specify) e.g. Animal Traps
S/N Others Description Quantity/Size Comments
A DE A DE A DE LA DACT
NUNL WHAIN AKLA OF HYPAL.
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained
in the leak report, overview sketch of the site should be added as appendix 1) A SECTION OF 36"
E ILLEGAL CONNECTION (IC) INSTALLED AT 15 0, COCK
POSITION BY UNKNOWN PERSON(S).
6" CRUDE THEFF POINT
(ILLEGAL COXINECTEN)
\[\frac{1}{36'} \]
FROM RUMUEKPE MANIFOLID — NKROKU MANUFOLD Version 2020/01 Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment);
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F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

SA	Northing	T = .
0/11	Norming	Easting
		. /
	-	
		/ /
		/
	(3/	
	/	
-		
/		

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	APPENDI		
	IDENT NUMBE		
36" RUMUEKPE-NKPOKU PIPELINE AT IBAA			
	WGS84	1	
POINT	EASTING	NORTHING	
SPILL POINT	6.82201	4.95389	
59	6.82235	4.95379	
60	6.82234	4.95388	
61	6.82252	4.95389	
62	6.82252	4.95391	
63	6.82234	4.95395	
64	6.82233	4.95403	
65	6.82258	4.95405	
66	6.82258	4.95407	
67	6.81736	4.95387	
68	6.81735	4.95369	
69	6.81732	4.9537	
70	6.81721	4.9542	
71	6.81728	4.95418	
72	6.81632	4.95594	
73	6.81574	4.95655	
74	6.81592	4.95689	
75	6.81512	4.95728	
76	6.81494	4.95707	
77	6.81548	4.95672	
78	6.81549	4.95666	
79	6.81518	4.95691	
80	6.81516	4.95686	
81	6.81488	4.95702	
82	6.81487	4.95692	
83	6.81529	4.95624	
84	6.81478	4.95563	
85	6.81533	4.95535	
86	6.81564	4.95597	
87	6.81587	4.95636	

G. INCIDENT INFORMATION:

INCIDENT NO: 2992983JIV report S/N: 0668

a. Impacted Area Details *	
Total calculated area of impact (Ha) 3 · 45 Ha	
• Impact within SPDC R.O.W	
Impact outside SPDC R.O.W TES	
Round off to 2 decimal places if area is \geq 100 m ² or to 4 decimal places if area is \leq 100 m ² (e.g. 14.55, 0.0051, 0.0009) Express in Hectares (Ha))
b. Volume of oil recovered before completion of JIV (VrecJ):	
Recovered oil V _{recl} : CO Barrel	s
Controlled recovery/evacuation from source with no impact to environment: NIL Barrels	
c. Net Estimated Spilled Volume V _{Est} (bbls)* = 347. 54 BARRELS	
Estimated Reported Volume** V _{rep} (bbls)= 348 BARRELS	
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 volume estimation or cause of spill:	
MOT APPLICABLE	
lculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation software of inversion of m³ to barrels is Volume (m³) x 6.29; **Round up estimated volume to next whole number using the following rules: • Any spill volume in excess of 1 bbl is rounded up to the next whole number.	on site,
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.	
erever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for imation; record the calculation in a plain sheet of paper and attach to the JIV report.	r colum

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d.	General	Status	of the	site

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

e. Representatives

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

- Host Community:
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- The Shell Petroleum Development Company [SPDC]:
- Separate DPR form has been filled out with same findings
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

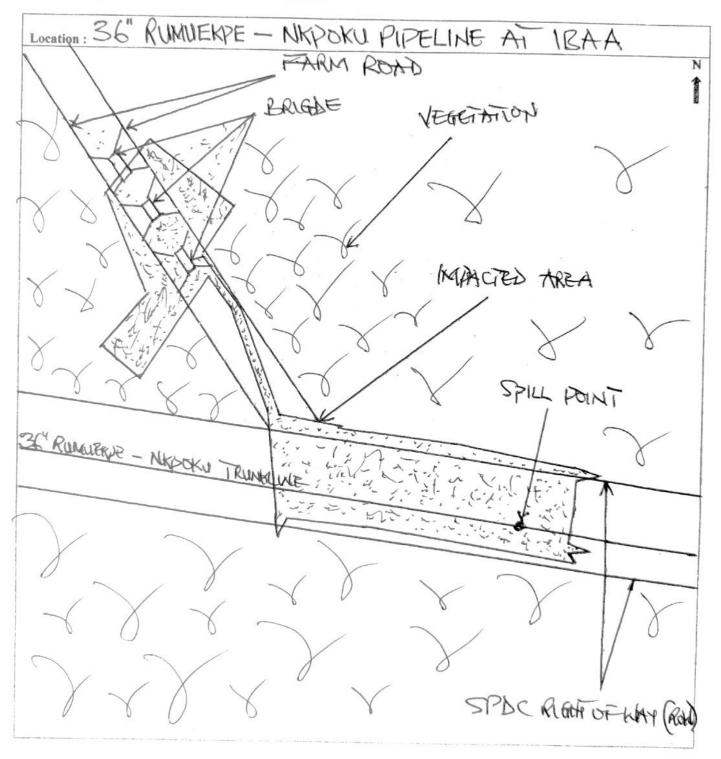
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f. Appendix 1: Overview sketch of the site



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